Curriculum Planning and Implementation

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1.1 Curriculum Planning and Implementation:

a) Effective curriculum planning and delivery through a well-planned and documented process includes:

- An academic schedule is prepared based on the university calendar.
- Allocation of the subjects to the faculty is done based on qualification, area of competency, experience, and willingness.
- Course files are prepared and maintained by the faculty as per ISO guidelines.
- Each department has a set of framed objectives for its curriculum and has deployed various mechanisms like DAC and PAQIC meetings to ensure progress, along with CO, PO, and PSO mapping and course target attainment settings.
- Revised Bloom's Taxonomy is effectively utilized along with knowledge categories to structure and assess learning outcomes to ensure the OBE.
- Knowledge acquisition by the faculty members through FDPs, workshops, online courses, etc. helps to deepen the students' knowledge through content delivery by using passive learning, active learning, and project based learning.
- Faculty members adopt different techniques like assignments, collaborative learning, NPTEL lectures, case studies, projects, surveys, quizzes, field trips, etc.
- Based on curriculum gap identification, content beyond the syllabus was planned and executed through Guest Lectures, Industrial Visits, Workshops, Value-Added Courses, Internships, Innovative Projects, Online Courses, and other activities.
- Mentoring students on academic and personal issues has created a better learning atmosphere that sustains their performance.
- Periodic reviews are carried out through students' feedback, DRM, CAC, and CCM, course committee meetings, course exit survey, and program exit survey to improve the teaching-learning process.
- The study materials for the theory course, laboratory course, and lab manuals are available to the students in LMS platforms.
- To improve the students' abilities and ensure participation, innovative practices are followed during the class hours and updated on the college website.

b) The following preparatory activities are included in the institutional-level continuous internal evaluation:

- Internal examination schedule is prepared with hall allocation, invigilation duties, and squad duties to ensure zero malpractice.
- Based on the given format and using the revised Bloom's Taxonomy Level with CO and performance indicators, the internal and external faculty members prepare the question papers, and the same are audited by external experts.
- The answer scripts are collected and distributed for central evaluation with three-day duration.
- Laboratory courses, project work, and internships are all evaluated and assessed on a regular basis.
- Industrial experts are invited to review the final-year project to ascertain its innovativeness and efficacy.
- The students' marks in the direct assessment (Internal Assessment Tests) and indirect assessment (Assignments / Tutorials / Quiz / Mini-project / Case-

studies) are recorded in the enterprise resource planning portal for the university portal entry and course attainment calculation.

- The university examination schedules for both practical and theoretical courses are displayed in the notice board, which may include the action and schedules to be followed during or after any natural calamities.

Date: 02.11.2022

CENTRE FOR ACADEMIC COURSES

ANNA UNIVERSITY: : CHENNAI – 600 025

ACADEMIC SCHEDULE FOR NON-AUTONOMOUS AFFILIATED COLLEGES

November 2022 – April 2023 (SEMESTER I)

UG (FT/PT) Degree Programmes

Sl. No.	Programme	Semester	Commencement of Induction Programme	Commencement of Classes	Last working day	Commencement of Practical Examinations	Commencement of End Semester Examinations
1.	B.E. / B.Tech. (Full Time)	I	14.11.2022	28.11.2022	23.03.2023	25.03.2023	05.04.2023
2.	B.Arch.(Full Time)	I	14.11.2022	28.11.2022	15.03.2023	25.03.2023	05.04.2023
3.	B.E. / B.Tech. (Part Time)	I	-	14.11.2022	01.03.2023	25.03.2023	05.04.2023

RE-OPENING DAY FOR THE NEXT SEMESTER: 15.05.2023 (Monday)

NOTE:

1. The Theory and Practical Examination schedules will be published in due course. (Practical Examinations will be conducted before the theory examinations).
2. If necessary, loss of classes due to various curricular / co-curricular activities of the department / college may be compensated by conducting classes on Saturdays.

02/11/2022

DIRECTOR
ACADEMIC COURSES

ANNA UNIVERSITY:: CHENNAI 600 025

Internal Assessment Schedule for Non Autonomous Affiliated Institutions

AUGUST 2022 – DECEMBER 2022 - (SEMESTER - III)

UG (FT&PT) & PG(M.B.A) (5yrs integrated) Degree Programmes

Report No	Report Period	Test Period	Report Entry Period
I	22-08-2022 – 15-10-2022	10-10-2022 – 15-10-2022	15-10-2022 – 21-10-2022
II	17-10-2022 -- 08-12-2022	02-12-2022 -- 08-12-2022	08-12-2022 -- 10-12-2022

Saturdays may be included as working days to make good the Shortages, if any.

19.09.2022

CONTROLLER OF EXAMINATIONS

19.09.22

ANNA UNIVERSITY:: CHENNAI 600 025

Internal Assessment Schedule for Non Autonomous Affiliated Institutions

AUGUST2022 - DECEMBER 2022 - For all UG - Programmes (ODD SEMESTER-EXCEPT III SEMESTER)

Report No	Report Period	Test Period	Report Entry Period
I	10-08-2022 –23-08-2022	----	29-09-2022 – 06-10-2022
II	24-08-2022 -- 21-09-2022	16-09-2022 -- 21-09-2022	29-09-2022 -- 06-10-2022
III	22-09-2022 -- 21-10-2022	17-10-2022 -- 21-10-2022	21-10-2022 --29-10-2022
IV	22-10-2022 -- 19-11-2022	14-11-2022 -- 19-11-2022	19-11-2022 -- 21-11-2022

Saturdays may be included as working days to make good the Shortages, if any.

19.09.2022

CONTROLLER OF EXAMINATIONS

19-09-22

Date: 21.07.2022

CENTRE FOR ACADEMIC COURSES

ANNA UNIVERSITY: : CHENNAI – 600 025

ACADEMIC SCHEDULE FOR NON AUTONOMOUS AFFILIATED COLLEGES

August 2022 – December 2022 (ODD SEMESTER – Except Semester III)

UG Programmes

Sl. No.	Programme	Semester	Commencement of Classes	Last working day	Commencement of Practical Examinations	Commencement of End Semester Examinations
1.	B.E. / B.Tech.(Full-Time)	V, VII	10.08.2022	19.11.2022**	21.11.2022	01.12.2022
2.	B.E. / B.Tech (Part-Time)	V, VII				
3.	B.Arch. (Full-Time)	V, VII, IX				

RE - OPENING DAY FOR THE NEXT SEMESTER: 26.12.2022 (Monday)

NOTE:

1. The Theory and Practical Examination schedules will be published in due course (Practical Examinations will be conducted before the theory examinations).
2. If necessary, loss of classes due to various curricular / co-curricular activities of the department / college may be compensated by conducting classes on Saturdays.

**** In order to ensure minimum no. of working days, the following Saturdays are declared as working days.**

Sl. No.	Working Days (Saturdays)	Time Table of the Week Day to be Followed
1.	20.08.2022	Monday
2.	03.09.2022	Friday
3.	17.09.2022	Wednesday
4.	15.10.2022	Tuesday

Sl. No.	Working Days (Saturdays)	Time Table of the Week Day to be Followed
5.	29.10.2022	Wednesday
6.	05.11.2022	Monday
7.	12.11.2022	Tuesday
8.	19.11.2022	Wednesday

21.07.2022

DIRECTOR
ACADEMIC COURSES

Date: 04.05.2023

CENTRE FOR ACADEMIC COURSES

ANNA UNIVERSITY: : CHENNAI – 600 025

ACADEMIC SCHEDULE FOR NON-AUTONOMOUS AFFILIATED COLLEGES

May 2023 – August 2023 (Even Semester)

UG (FT/PT) & PG (FT) Degree Programmes

Sl. No.	Programme	Semester	Commencement of Classes	Last working day	Commencement of Practical Examinations	Commencement of End Semester Examinations
1.	B.E. / B.Tech.(Full-Time)	II	10.05.2023	07.08.2023**	09.08.2023	21.08.2023
2.	B.Arch. (Full-Time)	II				
3.	B.E. / B.Tech (Part-Time)	II				
4.	M.E. / M. Tech. / M. Arch. (FT)	IV				

RE - OPENING DAY FOR THE NEXT SEMESTER: 11.09.2023 (Monday)

NOTE:

1. The Theory and Practical Examination schedules will be published in due course (Practical Examinations will be conducted before the theory examinations).
2. If necessary, loss of classes due to various curricular / co-curricular activities of the department / college may be compensated by conducting classes on Saturdays.

**** In order to ensure minimum no. of working days, the following Saturdays are declared as working days.**

Sl. No.	Working Days (Saturdays)	Time Table of the Week Day to be Followed
1.	13.05.2023	Friday
2.	20.05.2023	Monday
3.	27.05.2023	Tuesday
4.	03.06.2023	Wednesday
5.	10.06.2023	Thursday
6.	17.06.2023	Friday

Sl. No.	Working Days (Saturdays)	Time Table of the Week Day to be Followed
7.	24.06.2023	Monday
8.	01.07.2023	Tuesday
9.	08.07.2023	Wednesday
10.	15.07.2023	Thursday
11.	22.07.2023	Friday
12.	05.08.2023	Monday

04/05/2023

DIRECTOR
ACADEMIC COURSES

Date: 30.03.2023

CENTRE FOR ACADEMIC COURSES

ANNA UNIVERSITY: : CHENNAI – 600 025

REVISED

ACADEMIC SCHEDULE FOR NON-AUTONOMOUS AFFILIATED COLLEGES

February 2023 – June 2023 (Even Semester – Except Semester II)

UG / PG (FT/PT) Degree Programmes

Sl. No.	Programme	Semester	Commencement of Classes	Last working day		Commencement of Practical Examinations		Commencement of End Semester Examinations	
				Existing	Revised	Existing	Revised*	Existing	Revised*
1.	B.E. / B.Tech.(Full-Time)	IV,VI	06.02.2023	12.05.2023	24.05.2023***	15.05.2023	26.05.2023	26.05.2023	05.06.2023
2.	B.E. / B.Tech.(Full-Time)	VIII	06.02.2023	12.05.2023**	-	15.05.2023	-	26.05.2023	-
3.	B.Arch. (Full-Time)	IV,VI,VIII,X							
4.	B.E. / B.Tech. (Part-Time)	IV,VI							
5.	M.B.A.(Full-Time & Part-Time)	IV							
6.	M.B.A. (5 Yrs-Integrated)	IV,VI,VIII,X							

RE - OPENING DAY FOR THE NEXT SEMESTER: 07.08.2023 (Monday)

*** To provide additional classes for Skill Based Courses.**

NOTE:

1. The Theory and Practical Examination schedules will be published in due course (Practical Examinations will be conducted before the theory examinations).
2. If necessary, loss of classes due to various curricular / co-curricular activities of the department / college may be compensated by conducting classes on Saturdays.

**** In order to ensure minimum no. of working days, the following Saturdays are declared as working days.**

Sl. No.	Working Days (Saturdays)	Time Table of the Week Day to be Followed
1.	11.02.2023	Monday
2.	18.02.2023	Tuesday
3.	25.02.2023	Wednesday
4.	04.03.2023	Thursday
5.	11.03.2023	Friday
6.	18.03.2023	Monday

Sl. No.	Working Days (Saturdays)	Time Table of the Week Day to be Followed
7.	25.03.2023	Tuesday
8.	01.04.2023	Wednesday
9.	29.04.2023	Thursday
10.	06.05.2023	Friday
11.	13.05.2023	Monday***
12.	20.05.2023	Tuesday***

30/3/2023

DIRECTOR
ACADEMIC COURSES

Date: 22.08.2022

REVISED

CENTRE FOR ACADEMIC COURSES

ANNA UNIVERSITY: : CHENNAI – 600 025

ACADEMIC SCHEDULE FOR NON-AUTONOMOUS AFFILIATED COLLEGES

August 2022 – December 2022 (Semester III)

UG (FT/PT) & PG (FT/PT) Degree Programmes

Sl. No.	Programme	Semester	Commencement of Classes	Last working day	Commencement of Practical Examinations	Commencement of End Semester Examinations
1.	B.E. / B.Tech.(Full-Time)	III	22.08.2022	08.12.2022	10.12.2022	21.12.2022
2.	B.Arch. (Full-Time)	III				
3.	B.E. / B.Tech (Part-Time)	III				
4.	M.B.A. (5 Yrs-Integrated)	III				
5.	M.B.A. (Full-Time & Part-Time)	III	01.09.2022	19.12.2022	21.12.2022	02.01.2023

RE - OPENING DAY FOR THE NEXT SEMESTER: 30.01.2023 (Monday)

NOTE:

1. The Theory and Practical Examination schedules will be published in due course (Practical Examinations will be conducted before the theory examinations).
2. If necessary, loss of classes due to various curricular / co-curricular activities of the department / college may be compensated by conducting classes on Saturdays.

22/08/2022

DIRECTOR
ACADEMIC COURSES

Date: 02.11.2022

REVISED - I

CENTRE FOR ACADEMIC COURSES

ANNA UNIVERSITY: : CHENNAI – 600 025

ACADEMIC SCHEDULE FOR NON-AUTONOMOUS AFFILIATED COLLEGES

August 2022 – December 2022 (Semester III)

UG (FT/PT) & PG (FT/PT) Degree Programmes

Sl. No.	Programme	Semester	Commencement of Classes	Last working day		Commencement of Practical Examinations		Commencement of End Semester Examinations	
				Existing	Revised	Existing	Revised	Existing	Revised
1.	B.E. / B.Tech. (Full-Time)	III	22.08.2022	08.12.2022	27.12.2022	10.12.2022	18.01.2023	21.12.2022	29.12.2022
2.	B.Arch. (Full-Time)	III	22.08.2022	08.12.2022	-	10.12.2022	18.01.2023	21.12.2022	29.12.2022
3.	B.E. / B.Tech (Part-Time)	III							
4.	M.B.A. (5 Yrs-Integrated)	III							
5.	M.B.A. (Full-Time & Part-Time)	III	01.09.2022	19.12.2022	-	21.12.2022	18.01.2023	02.01.2023	29.12.2022

RE - OPENING DAY FOR THE NEXT SEMESTER: 01.02.2023 (Wednesday)

NOTE:

1. The Theory and Practical Examination schedules will be published in due course (Practical Examinations will be conducted before the theory examinations).
2. If necessary, loss of classes due to various curricular / co-curricular activities of the department / college may be compensated by conducting classes on Saturdays.

02/11/2022

DIRECTOR
ACADEMIC COURSES

REGISTRAR

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SARDAR PATEL ROAD, CHENNAI-600 025.
www.annauniv.edu

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Letter No.4691/AU/CAC/R-2021/2022 19.08.2022

To
The Deans of Regional Campuses /
The Deans of Constituent Colleges /
The Principals of the Non-Autonomous Affiliated Colleges

CIRCULAR

I am pleased to inform you that the 28th Academic Council of Anna University has approved the Curriculum and Syllabi for all the higher semesters of UG degree programmes of R-2021.

The Curriculum of all the semesters of UG programmes and the syllabi of the Semesters III and IV of all UG programmes have been published in the University website.

It is informed that steps are being taken to publish the Syllabi of Semesters V to VIII in the website at the earliest.

It may be also noted that the following courses have been introduced from Semester I to III and for which the Syllabus will be provided at the earliest.

S. No.	Course title	Semester	Credits
1	அறிவியல் தமிழ் / Scientific Thoughts in Tamil	I	1
2	English Laboratory	I	1
3	தமிழர் மரபு / Heritage of Tamils	II	1
4	Communication Laboratory / Foreign Language	II	2
5	Professional Development	III	1

This is for your kind information.

REGISTRAR i/c

Copy to:
1. PS to Vice Chancellor
2. PA to Registrar
3. The Stock File, CAC.

Date: 04.05.2023

CENTRE FOR ACADEMIC COURSES

ANNA UNIVERSITY: : CHENNAI – 600 025

ACADEMIC SCHEDULE FOR NON-AUTONOMOUS AFFILIATED COLLEGES

May 2023 – August 2023 (Even Semester)

UG (FT/PT) & PG (FT) Degree Programmes

Sl. No.	Programme	Semester	Commencement of Classes	Last working day	Commencement of Practical Examinations	Commencement of End Semester Examinations
1.	B.E. / B.Tech.(Full-Time)	II	10.05.2023	07.08.2023**	09.08.2023	21.08.2023
2.	B.Arch. (Full-Time)	II				
3.	B.E. / B.Tech (Part-Time)	II				
4.	M.E. / M. Tech. / M. Arch. (FT)	IV				

RE - OPENING DAY FOR THE NEXT SEMESTER: 11.09.2023 (Monday)

NOTE:

1. The Theory and Practical Examination schedules will be published in due course (Practical Examinations will be conducted before the theory examinations).
2. If necessary, loss of classes due to various curricular / co-curricular activities of the department / college may be compensated by conducting classes on Saturdays.

**** In order to ensure minimum no. of working days, the following Saturdays are declared as working days.**

Sl. No.	Working Days (Saturdays)	Time Table of the Week Day to be Followed
1.	13.05.2023	Friday
2.	20.05.2023	Monday
3.	27.05.2023	Tuesday
4.	03.06.2023	Wednesday
5.	10.06.2023	Thursday
6.	17.06.2023	Friday

Sl. No.	Working Days (Saturdays)	Time Table of the Week Day to be Followed
7.	24.06.2023	Monday
8.	01.07.2023	Tuesday
9.	08.07.2023	Wednesday
10.	15.07.2023	Thursday
11.	22.07.2023	Friday
12.	05.08.2023	Monday

04/05/2023

DIRECTOR
ACADEMIC COURSES

Date: 30.03.2023

REVISED

CENTRE FOR ACADEMIC COURSES

ANNA UNIVERSITY: : CHENNAI – 600 025

ACADEMIC SCHEDULE FOR NON-AUTONOMOUS AFFILIATED COLLEGES

February 2023 – June 2023 (Even Semester – Except Semester II)

UG / PG (FT/PT) Degree Programmes

Sl. No.	Programme	Semester	Commencement of Classes	Last working day		Commencement of Practical Examinations		Commencement of End Semester Examinations	
				Existing	Revised	Existing	Revised*	Existing	Revised*
1.	B.E. / B.Tech.(Full-Time)	IV,VI	06.02.2023	12.05.2023	24.05.2023***	15.05.2023	26.05.2023	26.05.2023	05.06.2023
2.	B.E. / B.Tech.(Full-Time)	VIII	06.02.2023	12.05.2023**	-	15.05.2023	-	26.05.2023	-
3.	B.Arch. (Full-Time)	IV,VI,VIII,X							
4.	B.E. / B.Tech. (Part-Time)	IV,VI							
5.	M.B.A.(Full-Time & Part-Time)	IV							
6.	M.B.A. (5 Yrs-Integrated)	IV,VI,VIII,X							

RE - OPENING DAY FOR THE NEXT SEMESTER: 07.08.2023 (Monday)

*** To provide additional classes for Skill Based Courses.**

NOTE:

1. The Theory and Practical Examination schedules will be published in due course (Practical Examinations will be conducted before the theory examinations).
2. If necessary, loss of classes due to various curricular / co-curricular activities of the department / college may be compensated by conducting classes on Saturdays.

**** In order to ensure minimum no. of working days, the following Saturdays are declared as working days.**

Sl. No.	Working Days (Saturdays)	Time Table of the Week Day to be Followed
1.	11.02.2023	Monday
2.	18.02.2023	Tuesday
3.	25.02.2023	Wednesday
4.	04.03.2023	Thursday
5.	11.03.2023	Friday
6.	18.03.2023	Monday

Sl. No.	Working Days (Saturdays)	Time Table of the Week Day to be Followed
7.	25.03.2023	Tuesday
8.	01.04.2023	Wednesday
9.	29.04.2023	Thursday
10.	06.05.2023	Friday
11.	13.05.2023	Monday***
12.	20.05.2023	Tuesday***

30/3/2023

DIRECTOR
ACADEMIC COURSES

Date: 02.11.2022

CENTRE FOR ACADEMIC COURSES

ANNA UNIVERSITY: : CHENNAI – 600 025

ACADEMIC SCHEDULE FOR NON-AUTONOMOUS AFFILIATED COLLEGES

November 2022 – April 2023 (SEMESTER I)

UG (FT/PT) Degree Programmes

Sl. No.	Programme	Semester	Commencement of Induction Programme	Commencement of Classes	Last working day	Commencement of Practical Examinations	Commencement of End Semester Examinations
1.	B.E. / B.Tech. (Full Time)	I	14.11.2022	28.11.2022	23.03.2023	25.03.2023	05.04.2023
2.	B.Arch.(Full Time)	I	14.11.2022	28.11.2022	15.03.2023	25.03.2023	05.04.2023
3.	B.E. / B.Tech. (Part Time)	I	-	14.11.2022	01.03.2023	25.03.2023	05.04.2023

RE-OPENING DAY FOR THE NEXT SEMESTER: 15.05.2023 (Monday)

NOTE:

1. The Theory and Practical Examination schedules will be published in due course. (Practical Examinations will be conducted before the theory examinations).
2. If necessary, loss of classes due to various curricular / co-curricular activities of the department / college may be compensated by conducting classes on Saturdays.

02/11/2022

DIRECTOR
ACADEMIC COURSES

Date: 02.11.2022

CENTRE FOR ACADEMIC COURSES

ANNA UNIVERSITY: : CHENNAI – 600 025

ACADEMIC SCHEDULE FOR NON-AUTONOMOUS AFFILIATED COLLEGES

November 2022 – April 2023 (SEMESTER I)

UG (FT/PT) Degree Programmes

Sl. No.	Programme	Semester	Commencement of Induction Programme	Commencement of Classes	Last working day	Commencement of Practical Examinations	Commencement of End Semester Examinations
1.	B.E. / B.Tech. (Full Time)	I	14.11.2022	28.11.2022	23.03.2023	25.03.2023	05.04.2023
2.	B.Arch.(Full Time)	I	14.11.2022	28.11.2022	15.03.2023	25.03.2023	05.04.2023
3.	B.E. / B.Tech. (Part Time)	I	-	14.11.2022	01.03.2023	25.03.2023	05.04.2023

RE-OPENING DAY FOR THE NEXT SEMESTER: 15.05.2023 (Monday)

NOTE:

1. The Theory and Practical Examination schedules will be published in due course. (Practical Examinations will be conducted before the theory examinations).
2. If necessary, loss of classes due to various curricular / co-curricular activities of the department / college may be compensated by conducting classes on Saturdays.

02/11/2022

DIRECTOR
ACADEMIC COURSES

ACADEMIC CALENDAR

Academic year: 2022-2023 (Even Semester)

UG Degree Programmes

Regulation 2017

&

Regulation 2021

IV, VI & VIII Semester B.E. Programme

Reference: Anna University Academic Schedule: February 2023 - May 2023 (Even Semester – Except Semester II) Dated on 28.01.2023.

UG Degree Programmes

- B.E Civil Engineering
- B.E Computer Science and Engineering
- B.E Electrical and Electronics Engineering
- B.E Electronics and Communications Engineering
- B.E Mechanical Engineering
- B.Tech Artificial Intelligence and Data Science

Detailed Academic Calendar 2022-2023 (Even Semester)

FEBRUARY		MARCH		APRIL		MAY		JUNE	
1 WED	01 Commencement of Classes	1 WED	24	1 SAT	49 MON IAT II Starts (R-17)	1 MON	May Day	1 THU	
2 THU	02	2 THU	25	2 SUN	Holiday	2 TUE	69 IAT III Starts(R-17) IAT II Starts(R-21)	2 FRI	
3 FRI	03 Course File Submission	3 FRI	26	3 MON	50 Log Book Sign	3 WED	70	3 SAT	
4 SAT	04 WED	4 SAT	27 WED	4 TUE	Mahaveer Jayanthi	4 THU	71 Log Book Sign	4 SUN	Holiday
5 SUN	Holiday	5 SUN	Holiday	5 WED	51	5 FRI	72	5 MON	
6 MON	05	6 MON	28	6 THU	52 CCM II (R-21)	6 SAT	73 THU	6 TUE	
7 TUE	06	7 TUE	29	7 FRI	Good Friday	7 SUN	Holiday	7 WED	
8 WED	07 CCM I	8 WED	30	8 SAT	53 FRI	8 MON	74 IAT II & III Ends	8 THU	
9 THU	08	9 THU	31 Completion of Unit II	9 SUN	Holiday	9 TUE	75 Feedback Collection	9 FRI	
10 FRI	09	10 FRI	32 Log Book Sign	10 MON	54 IAT II Ends (R-17)	10 WED	76 Model Lab CCM III	10 SAT	Holiday
11 SAT	10 TUE CCM I Minutes	11 SAT	Holiday	11 TUE	55 CCM II Minutes	11 THU	77 Model lab	11 SUN	Holiday
12 SUN	Holiday	12 SUN	Holiday	12 WED	56	12 FRI	78 Last Working Day	12 MON	
13 MON	11 Placement Training	13 MON	33 IAT I Starts (R-17)	13 THU	57 Completion of Unit IV	13 SAT	Holiday	13 TUE	
14 TUE	12 Placement Training	14 TUE	34	14 FRI	Tamil New year	14 SUN	Holiday	14 WED	
15 WED	13 Placement Training	15 WED	35	15 SAT	Holiday	15 MON	CCM III Minutes	15 THU	
16 THU	14 Placement Training	16 THU	36	16 SUN	Holiday	16 TUE		16 FRI	
17 FRI	15 Placement Training	17 FRI	37	17 MON	58	17 WED		17 SAT	
18 SAT	Holiday	18 SAT	38 TUE IAT I Ends (R-17)	18 TUE	59	18 THU		18 SUN	Holiday
19 SUN	Holiday	19 SUN	Holiday	19 WED	60	19 FRI		19 MON	

20 MON	16	20 MON	39 CCM II (R-17) IAT I Starts (R-21)	20 THU	61	20 SAT		20 TUE	
21 TUE	17 Academic Audit	21 TUE	40 Feedback Collection (R-17)	21 FRI	62 PTA Meeting	21 SUN	Holiday	21 WED	
22 WED	18 Academic Audit	22 WED	Telegu New year	22 SAT	Ramzan	22 MON		22 THU	
23 THU	19 Academic Audit	23 THU	41 CCM II Minutes	23 SUN	Holiday	23 TUE		23 FRI	
24 FRI	20 Completion of Unit I	24 FRI	42	24 MON	63	24 WED		24 SAT	Holiday
25 SAT	21 MON	25 SAT	43 FRI	25 TUE	64	25 THU		25 SUN	Holiday
26 SUN	Holiday	26 SUN	Holiday	26 WED	65	26 FRI		26 MON	
27 MON	22 Log Book Sign	27 MON	44 IAT I Ends (R-21)	27 THU	66	27 SAT	Holiday	27 TUE	
28 TUE	23	28 TUE	45 Completion of Unit III (R-17)	28 FRI	67	28 SUN	Holiday	28 WED	
		29 WED	46 Log Book Sign	29 SAT	68 FRI Completion of Unit V	29 MON		29 THU	Bakrid
		30 THU	47 Completion of Unit III (R-21)	30 SUN	Holiday	30 TUE		30 FRI	
		31 FRI	48 Feedback Collection (R-21)			31 WED			

No. of working Days: 78 (As per Clause 5.2 minimum of 75 Days or 540 Periods)

	FEBRUARY	MARCH	APRIL	MAY	JUNE	TOTAL
MON	03+01	04	04+01	01	-	14
TUE	03+01	04+01	03	02	-	14
WED	03+01	04+01	04	02	-	15
THU	03	05	04	02+01	-	15
FRI	03	05+01	02+02	02	-	15
SAT	***03***	***02***	***03***	***01***	-	***08***
TOTAL (Regular Class days)	**18**	**25**	**20**	**10**	-	**73**

Internal Assessment Test Syllabus (R-17)

IAT I: Unit I and ½ of Unit II	**IAT II:** ½ of Unit II and Unit III	**IAT III:** Unit IV and Unit V

Internal Assessment Test Syllabus (R-21)

IAT I: Unit I, Unit II and ½ of Unit III	**IAT II:** ½ of Unit III, Unit IV and Unit V

3.1.23 30/1/23 30/1/23

Academic Coordinator **Vice Principal** **Principal**

ACADEMIC CALENDAR

Academic year: 2022-2023 (Even Semester)

UG Degree Programmes

Regulation 2021

II Semester B.E./B.Tech Programme

Reference: Anna University Academic Schedule: May 2023 - August 2023 (Even Semester – II Semester) Dated on 04.05.2023.

UG Degree Programmes

- B.E Civil Engineering
- B.E Computer Science and Engineering
- B.E Electrical and Electronics Engineering
- B.E Electronics and Communications Engineering
- B.E Mechanical Engineering
- B.Tech Artificial Intelligence and Data Science
- B.Tech Computer Science and Business Systems
- B.Tech Information Technology

Detailed Academic Calendar — 2022-2023 (II Semester)

MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1 MON	May Day	1 THU	20	1 SAT	45 TUE	1 TUE	70	1 FRI	
2 TUE		2 FRI	21	2 SUN	Holiday	2 WED	71	2 SAT	
3 WED		3 SAT	22 WED	3 MON	46	3 THU	72	3 SUN	Holiday
4 THU		4 SUN	Holiday	4 TUE	47 CCM II	4 FRI	73 IAT II Ends	4 MON	
5 FRI		5 MON	23	5 WED	48	5 SAT	74 MON Feedback Collection	5 TUE	
6 SAT		6 TUE	24 Completion of Unit II	6 THU	49 CCM II Minutes	6 SUN	Holiday	6 WED	Krishna Jayanthi
7 SUN	Holiday	7 WED	25	7 FRI	50	7 MON	75 CCM III Last Working Day	7 THU	
8 MON		8 THU	26 Log Book Sign	8 SAT	51 WED	8 TUE		8 FRI	
9 TUE	Course File Submission	9 FRI	27	9 SUN	Holiday	9 WED	Commencement of Practical Exam	9 SAT	
10 WED	1 Commencement of Classes	10 SAT	28 THU	10 MON	52	10 THU	CCM III Minutes	10 SUN	Holiday
11 THU	2	11 SUN	Holiday	11 TUE	53	11 FRI		11 MON	Reopening for the Next Semester
12 FRI	3	12 MON	29	12 WED	54 Completion of Unit IV	12 SAT	Holiday	12 TUE	
13 SAT	4 FRI	13 TUE	30	13 THU	55	13 SUN	Holiday	13 WED	
14 SUN	Holiday	14 WED	31	14 FRI	56 Log Book Sign	14 MON		14 THU	
15 MON	5 CCM I	15 THU	32	15 SAT	57 THU	15 TUE	Independence Day	15 FRI	
16 TUE	6	16 FRI	33	16 SUN	Holiday	16 WED		16 SAT	Holiday
17 WED	7 CCM I Minutes	17 SAT	34 TUE	17 MON	58	17 THU		17 SUN	Vinayakar Chathurthi Holiday
18 THU	8	18 SUN	Holiday	18 TUE	59	18 FRI		18 MON	
19 FRI	9	19 MON	35 IAT I Starts	19 WED	60	19 SAT		19 TUE	

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8/5/23

20 SAT	10 THU	20 TUE	36	20 THU	61	20 SUN	Holiday	20 WED	
21 SUN	Holiday	21 WED	37	21 FRI	62	21 MON	Commencem ent of End Semester Exam	21 THU	
22 MON	11	22 THU	38	22 SAT	63 FRI	22 TUE		22 FRI	
23 TUE	12 Completion of Unit I	23 FRI	39	23 SUN	Holiday	23 WED		23 SAT	
24 WED	13	24 SAT	40 MON IAT I End	24 MON	64 Model Lab	24 THU		24 SUN	Holiday
25 THU	14 Log Book Sign	25 SUN	Holiday	25 TUE	65 Model Lab	25 FRI		25 MON	
26 FRI	15	26 MON	41	26 WED	66 Completion of Unit V	26 SAT	Holiday	26 TUE	
27 SAT	16 TUE	27 TUE	42 Feedback Collection	27 THU	67	27 SUN	Holiday	27 WED	
28 SUN	Holiday	28 WED	43 Completion of Unit III	28 FRI	68 IAT II Starts	28 MON		28 THU	Milad-un-Nabi
29 MON	17	29 THU	Bakrid	29 SAT	Muharram/ PTA Meeting	29 TUE		29 FRI	
30 TUE	18	30 FRI	44 Log Book Sign	30 SUN	Holiday	30 WED		30 SAT	Holiday
31 WED	19			31 MON	69 Log Book Sign	31 THU			

No. of working Days: 75 (As per Clause 5.2 minimum of 75 Days or 540 Periods)

	MAY	JUNE	JULY	AUGUST	SEPTEMBER	TOTAL
MON	03	04+01	05	01+01	-	13+02
TUE	03+01	04+01	04+01	01	-	12+03
WED	04	04+01	04+01	01	-	13+02
THU	03+01	04+01	04+01	01	-	12+03
FRI	03+01	05	04+01	01	-	13+02
SAT	*03*	*04*	*04*	*01*		*12*
TOTAL (Regular Class days)	19	25	25	06	-	75

Internal Assessment Test Syllabus (R-21)

IAT I: Unit I, Unit II and ½ of Unit III	**IAT II:** ½ of Unit III, Unit IV and Unit V

8/5/23
Academic Coordinator

8/5/23
Vice Principal

8/5/23
Principal

ACADEMIC CALENDAR

Academic year: 2022-2023 (ODD Semester)

UG Degree Programmes

V and VII Semester B.E./B.Tech programme

Reference: Anna University Academic Schedule – August 2022-December-2022(ODD Semester) Dated 21.07.2022

UG Degree Programmes

- B.E Civil Engineering
- B.E Computer Science and Engineering
- B.E Electrical and Electronics Engineering
- B.E Electronics and Communications Engineering
- B.E Mechanical Engineering

Activity/ Event	I year / II Semester
Distribution of Time table to faculty member	08.08.2022
Submission of course file	08.08.2022
Uploading course plan in LMS	08.08.2022
College reopening for II/III /IV year	10.08.2022
Constitution of Class Committee/Course Committee	12.08.2022
Submission of Class Committee/Course Committee meeting –I minutes to the department and Academic Coordinator	16.08.2022-20.08.22
Course file & logbook verification(Unit -I)	25.08.2022
Course file & logbook verification(Unit -II)	12.09.2022
IAT1 Schedule	07.09.2022-14.09.2022
Course file & logbook verification(Unit -III)	30.09.2022
Collection of students feedback	15.09.2022-17.09.2022
Submission of Class Committee–II minutes to the department and Academic Coordinator	22.09.2022-26.09.2022
IAT2 Schedule	07.10.2022-14.10.2022
Submission of Class Committee–III minutes to the department and Academic Coordinator	15.10.2022-20.20.2022
Course file & logbook verification(Unit -IV)	18.10.2022
Course file & logbook verification(Unit -V)	10.11.2022
IAT3 Schedule	11.11.2022-18.11.2022
Submission of Course Committee meeting –IV minutes to the department and Academic Coordinator	17.10.2022-20.10.2022
Last working day, Course exit survey	19.11.2022
Feedback on curriculum by students & Faculty	18.11.2022
Commencement of AU practical examination	21.11.2022
Submission of Analysis of all the stakeholder feedback	19.11.2022
Commencement of End Semester Examination	01.12.2022
Academic Audit / Question paper Audit	23.12.2022

Details of Meeting	Frequency/Day/Date
Institute Planning and Development Committee(IPDC) meeting	Every week/Wednesday
College Academic Committee (CAC) meeting	Second week of every month/Friday
Department Review meeting(DRM)	Twice in a month/Second and Fourth Monday
ISO MRM Meeting	Once in a semester
Department Advisory Committee(DAC) meeting	Once in a Year
Programme Assessment and Quality Improvement Committee (PAQIC) meeting	Once in a semester/28.11.2022
ISO Internal Audit	Twice in a semester
Academic audit	Once in a semester
IQAC meeting	Once in 3 Months/01.10.2022/30.12.2022
Parents Teachers Meeting	Once in a semester/06.11.2022
Alumni meeting	Once in a semester/Sunday
Compliance and Grievance Redressal Committee Meeting	First week of every month/Monday
Internal Complaint Committee Meeting/Sexual Harassment Meeting	Once in a semester
Industrial visit	Once in a semester
Internship	During Semester Holidays
SC/ST Cell Meeting	Once in a semester
Note: Changes shall be if required based on availability of External Experts with prior approval by the principal	

Detailed Academic Calendar				2022-2023 (Odd Semester)					
AUGUST		**SEPTEMBER**		**OCTOBER**		**NOVEMBER**		**DECEMBER**	
1 MON		1 THU		1 SAT	Placement Training	1 TUE		1 THU	Commencement of End Semester Examinations III/IV year
2 TUE		2 FRI	Placement Training	2 SUN	Holiday Gandhi Jayanti	2 WED		2 FRI	
3 WED		3 SAT	Placement Training	3 MON	Holiday	3 THU		3 SAT	
4 THU		4 SUN	Holiday	4 TUE	Saraswati Puja	4 FRI		4 SUN	Holiday
5 FRI		5 MON		5 WED	Ayudha Pooja/ Vijayadashami	5 SAT		5 MON	
6 SAT		6 TUE		6 THU		6 SUN	Holiday	6 TUE	
7 SUN	Holiday	7 WED	IAT-1 Starts	7 FRI	IAT 2 Starts	7 MON		7 WED	
8 MON		8 THU		8 SAT		8 TUE	Model practical III/IV year	8 THU	
9 TUE	Muharram	9 FRI		9 SUN	Holiday Milad un-Nabi	9 WED		9 FRI	
10 WED	Commencement of classes for III/IV year	10 SAT	Holiday	10 MON		10 THU		10 SAT	Holiday
11 THU		11 SUN	Holiday	11 TUE		11 FRI	IAT-3 Starts	11 SUN	Holiday
12 FRI		12 MON		12 WED		12 SAT	Holiday	12 MON	
13 SAT		13 TUE		13 THU	IAT 2 Ends	13 SUN	Holiday	13 TUE	
14 SUN	Holiday	14 WED	IAT-1 Ends	14 FRI		14 MON		14 WED	
15 MON	Independence day	15 THU		15 SAT		15 TUE		15 THU	
16 TUE		16 FRI	Placement Training	16 SUN	Holiday	16 WED		16 FRI	
17 WED		17 SAT	Placement Training	17 MON		17 THU		17 SAT	
18 THU		18 SUN	Holiday	18 TUE		18 FRI	IAT3 Ends	18 SUN	Holiday

19 FRI	Gokulashtami	19 MON		19 WED		19 SAT	Last Working Day	19 MON	
20 SAT	Holiday	20 TUE		20 THU		20 SUN	Holiday	20 TUE	
21 SUN	Holiday	21 WED		21 FRI		21 MON	Commencement of practical Examination III/IV year	21 WED	
22 MON		22 THU		22 SAT		22 TUE		22 THU	
23 TUE		23 FRI		23 SUN	Holiday	23 WED		23 FRI	
24 WED		24 SAT		24 MON	Diwali	24 THU		24 SAT	Holiday
25 THU		25 SUN	Holiday	25 TUE		25 FRI		25 SUN	Holiday Christmas
26 FRI		26 MON		26 WED		26 SAT	Holiday	26 MON	
27 SAT		27 TUE		27 THU		27 SUN	Holiday	27 TUE	
28 SUN	Holiday	28 WED		28 FRI		28 MON		28 WED	
29 MON		29 THU		29 SAT		29 TUE		29 THU	
30 TUE		30 FRI		30 SUN	Holiday	30 WED		30 FRI	
31 WED	Vinayaka Chaturthi			31 MON				31 SAT	
Total Number of Working Day: 78									

	List of Holidays		
Month	**Date**	**Day**	**Occasion**
August	09.08.2022	Tuesday	Muharram
	15.08.2022	Monday	Independence Day
	19.08.2022	Friday	Gokulashtami
	31.08.2022	Wednesday	Vinayaka Chaturthi
October	02.10.2022	Sunday	Gandhi Jayanti
	04.10.2022	Tuesday	Saraswati Puja
	05.10.2022	Wednesday	Ayudha Pooja/ Vijayadashami
	09.10.2022	Sunday	Milad un-Nabi
	24.10.2022	Monday	Diwali
December	25.12.2022	Sunday	Christmas

List of Saturday Working – Day order			Placement training	
Month	**Date**	**Order**	**Date**	**Day**
August	13.08.2022	Monday		
	27.08.2022	Monday		
September	24.09.2022	Monday	02.09.2022	Friday
			03.09.2022	Saturday
			16.09.2022	Friday
			17.09.2022	Saturday
October	08.10.2022	Friday	01.10.2022	Saturday
	15.10.2022	Wednesday	-	-
	22.10.2022	Friday		
	29.10.2022	Tuesday		
November	05.11.2022	Friday	-	-
	19.11.2022	Wednesday		

Regulation 2017

1. Internal Assessment Test I covers the syllabus of Unit I & 50% syllabus of Unit II, Internal Assessment Test II covers the syllabus of 50% syllabus of Unit II, Unit III and Internal Assessment Test III covers syllabus of Unit IV and syllabus of Unit V.
2. The faculty members should evaluate the Answer scripts on the day(s) announced by exam control office for central valuation or through Online Mode. The mark statements of all the subjects will be prepared by exam control office and the same will be given to the respective faculty members. The evaluated answer scripts should be distributed to the students for clarification/verification of marks allotted and should be returned within 2 days after completion of central valuation. In case of any change in marks awarded must be communicated to the exam control office
3. No Retest will be conducted. However, the Students who are absent for the Test due to genuine reasons with prior permission and those who scored less than 60% of marks in any subject(s) in Internal Assessment Tests shall write Retest / Improvement Test for the corresponding subject(s) to improve their marks based upon the learn-perform-score policy, by obtaining permission from HOD and Principal.
4. Each Student shall write atleast 2 Assignments and present 1 Seminar or submit 1 project work in addition to 3 Internal Assessment Tests, and one Model Test in each Theory course (if required). The Faculty member shall evaluate Students' Assignments, Innovative project, Seminars, etc., and award grades to encourage them improve their self-learning performance.
5. Faculty Members are advised to implement project-based learning and problem-based learning in their courses and document the outcomes in terms of knowledge and skill attainment.

Regulation 2021

AWARDING MARKS FOR INTERNAL ASSESSMENT

THEORY COURSES (Clause 12.1)

Two assessments each carrying 100 marks shall be conducted during the semester by the Department / College concerned. The total marks obtained in all assessments put together out of 200, shall be proportionately reduced for 40 marks and rounded to the nearest integer (This also implies equal weightage to the two assessments).

Assessment I (100 Marks)		**Assessment 2 (100 Marks)**		**Total** Internal Assessment
Individual Assignment / Case Study / Seminar / Mini Project	Written Test	Individual Assignment / Case Study / Seminar / Mini Project	Written Test	
40	**60**	**40**	**60**	**200***

*The weighted average shall be converted into 40 marks for internal Assessment

LABORATORY COURSES (Clause 12.2)

The maximum marks for Internal Assessment shall be 60 marks in case of practical courses. Every practical exercise / experiment shall be evaluated based on conduct of experiment / exercise and records to be maintained. There shall be at least one test. The criterion for arriving at the Internal Assessment marks of 60 is as follows: 75 marks shall be awarded for successful completion of all the prescribed experiments done in the Laboratory and 25 marks for the test. The total mark shall be converted into a maximum of 60 marks and rounded to the nearest integer

Assessment (100 Marks)	
Evaluation of Laboratory Observation, Record	Test
75	**25**

* Internal assessment marks shall be converted into 60 marks

Note:

1. Internal Assessment Test I covers the syllabus of Unit I, Unit II, and ½ of UNIT III. Internal Assessment Test II covers the syllabus of ½ of Unit III, Unit IV and UNIT V.
2. During the regular period, the concerned faculty member may conduct a revision test/Unit test (optional) following the completion of each unit. The Question paper, as well as the mark statement, should be sent to the exam cell.
3. The faculty members should evaluate the Answer scripts on the day(s) announced by exam control office for central valuation or through Online Mode. The mark statements of all the subjects will be prepared by exam control office and the same will be given to the respective faculty members. The evaluated answer scripts should be distributed to the students for clarification/verification of marks allotted and should be returned within 2 days after completion of central valuation. In case of any change in marks awarded must be communicated to the exam control office.
4. No Retest will be conducted and it is not encouraged. However, the Students who are absent for the Test due to genuine reasons such as Medical grounds, Sports Activities etc with prior permission are permitted for retest.
5. Model exam will be conducted subjected to availability of working days.
6. Each student shall submit the given Individual Assignment / Case Study / Seminar / Mini Project to fulfill the norms of the Anna University for calculating the internal marks as per the weightage given in Clause 12.1 for all the courses. The faculty member evaluates the Individual Assignment / Case Study / Seminar / Mini Project based on the rubrics and submit the mark statement to the Exam cell.
7. Outcome based assessment will be done using the direct assessment tools such as Internal Assessment Test / Individual Assignment / Case Study / Seminar / Mini Project and the attainment of course outcomes, program outcomes and program specific outcomes will be calculated to fulfill the requirement of NBA/NAAC accreditation.

Academic Coordinator **Vice Principal** **Principal**

ACADEMIC CALENDAR

Academic year: 2022-2023 (ODD Semester)

UG Degree Programmes

III Semester B.E./B.Tech programme

Reference: Anna University Academic Schedule – August 2022-December-2022(Semester III) Dated 17.08.2022

UG Degree Programmes

- B.E Civil Engineering
- B.E Computer Science and Engineering
- B.E Electrical and Electronics Engineering
- B.E Electronics and Communications Engineering
- B.E Mechanical Engineering
- B.Tech Artificial Intelligence and Data Science

Activity/ Event	II year / III Semester
Distribution of Time table to faculty member	22.08.2022
Submission of course file	22.08.2022
Uploading course plan in LMS	22.08.2022
College reopening for II year	22.08.2022
Constitution of Class Committee/Course Committee	25.08.2022
Submission of Class Committee/Course Committee meeting –I minutes to the department and Academic Coordinator	25.08.2022-29.08.2022
Course file & logbook verification(Unit -I)	07.09.2022
Course file & logbook verification(Unit -II)	21.09.2022
Course file & logbook verification(Unit -III)	15.10.2022
IAT1 Schedule	07.10.2022-13.10.2022
Collection of students feedback	14.10.2022-17.10.2022
Submission of Class Committee–II minutes to the department and Academic Coordinator	14.10.2022-17.10.2022
Course file & logbook verification(Unit -IV)	31.10.2022
Course file & logbook verification(Unit -V)	25.11.2022
IAT2 Schedule	01.12.2022-07.12.2022
Submission of Course Committee meeting –III minutes to the department and Academic Coordinator	08.12.2022-12.12.2022
Last working day, Course exit survey	08.12.2022
Feedback on curriculum by students & Faculty	08.12.2022
Commencement of AU practical examination	10.12.2022
Submission of Analysis of all the stakeholder feedback	15.12.2022
Commencement of End Semester Examination	21.12.2022
Academic Audit / Question paper Audit	28.12.2022

Details of Meeting	Frequency/Day/Date
Institute Planning and Development Committee(IPDC) meeting	Every week/Wednesday
College Academic Committee (CAC) meeting	Second week of every month/Friday
Department Review meeting(DRM)	Twice in a month/Second and Fourth Monday
ISO MRM Meeting	Once in a semester
Department Advisory Committee(DAC) meeting	Once in a Year
Programme Assessment and Quality Improvement Committee (PAQIC) meeting	Once in a semester/28.11.2022
ISO Internal Audit	Twice in a semester
Academic audit	Once in a semester
IQAC meeting	Once in 3 Months/01.10.2022/30.12.2022
Parents Teachers Meeting	Once in a semester/06.11.2022
Alumni meeting	Once in a semester/Sunday
Compliance and Grievance Redressal Committee Meeting	First week of every month/Monday
Internal Complaint Committee Meeting/Sexual Harassment Meeting	Once in a semester
Industrial visit	Once in a semester
Internship	During Semester Holidays
SC/ST Cell Meeting	Once in a semester
Note: Changes shall be if required based on availability of External Experts with prior approval by the principal	

Detailed Academic Calendar				2022-2023 (Odd Semester)					
AUGUST		**SEPTEMBER**		**OCTOBER**		**NOVEMBER**		**DECEMBER**	
1 MON		1 THU		1 SAT		1 TUE		1 THU	**IAT 2 starts**
2 TUE		2 FRI		2 SUN	Holiday Gandhi Jayanti	2 WED		2 FRI	
3 WED		3 SAT		3 MON	Holiday	3 THU		3 SAT	
4 THU		4 SUN	Holiday	4 TUE	Saraswati Puja	4 FRI		4 SUN	Holiday
5 FRI		5 MON		5 WED	Ayudha Pooja/ Vijayadashami	5 SAT		5 MON	
6 SAT		6 TUE		6 THU		6 SUN	Holiday	6 TUE	
7 SUN	Holiday	7 WED		7 FRI	IAT1 starts	7 MON		7 WED	**IAT 2 Ends**
8 MON		8 THU		8 SAT		8 TUE		8 THU	**Last working day**
9 TUE	Muharram	9 FRI		9 SUN	Holiday Milad un-Nabi	9 WED		9 FRI	
10 WED		10 SAT	Holiday	10 MON		10 THU		10 SAT	Commencement of AU practical
11 THU		11 SUN	Holiday	11 TUE		11 FRI		11 SUN	Holiday
12 FRI		12 MON		12 WED		12 SAT	Holiday	12 MON	
13 SAT		13 TUE		13 THU	IAT1 Ends	13 SUN	Holiday	13 TUE	
14 SUN	Holiday	14 WED		14 FRI		14 MON		14 WED	
15 MON	Independence day	15 THU		15 SAT		15 TUE		15 THU	
16 TUE	placement Training	16 FRI		16 SUN	Holiday	16 WED		16 FRI	
17 WED	placement Training	17 SAT		17 MON		17 THU		17 SAT	
18 THU	placement Training	18 SUN	Holiday	18 TUE		18 FRI		18 SUN	Holiday
19 FRI	Gokulashtami	19 MON		19 WED		19 SAT		19 MON	
20 SAT	Holiday	20 TUE		20 THU		20 SUN	Holiday	20 TUE	

21 SUN	Holiday	21 WED		21 FRI		21 MON		21 WED	Commencement of End Semester Examinations
22 MON	Commencement of classes for II year Placement Training	22 THU		22 SAT		22 TUE		22 THU	
23 TUE	Placement Training	23 FRI		23 SUN	Holiday	23 WED		23 FRI	
24 WED	Placement Training	24 SAT		24 MON	Diwali	24 THU		24 SAT	Holiday
25 THU		25 SUN	Holiday	25 TUE		25 FRI		25 SUN	Holiday Christmas
26 FRI		26 MON		26 WED		26 SAT	Holiday	26 MON	
27 SAT		27 TUE		27 THU		27 SUN	Holiday	27 TUE	
28 SUN	Holiday	28 WED		28 FRI		28 MON	Model practical	28 WED	
29 MON		29 THU		29 SAT		29 TUE		29 THU	
30 TUE		30 FRI		30 SUN	Holiday	30 WED		30 FRI	
31 WED	Vinayaka Chaturthi			31 MON				31 SAT	

Total Number of Working Day: 86

	List of Holidays		
Month	**Date**	**Day**	**Occasion**
August	09.08.2022	Tuesday	Muharram
	15.08.2022	Monday	Independence Day
	19.08.2022	Friday	Gokulashtami
	31.08.2022	Wednesday	Vinayaka Chaturthi
October	02.10.2022	Sunday	Gandhi Jayanti
	04.10.2022	Tuesday	Saraswati Puja
	05.10.2022	Wednesday	Ayudha Pooja/ Vijayadashami
	09.10.2022	Sunday	Milad un-Nabi
	24.10.2022	Monday	Diwali
December	25.12.2022	Sunday	Christmas

List of Saturday Working – Day order				
Month	**Date**	**Order**	**Week day**	**No. of working days**
August	27.08.2022	Monday	Monday	14
September	03.09.2022	Wednesday	Tuesday	14
	17.09.2022	Tuesday	Wednesday	14
	24.09.2022	Monday	Thursday	13
October	01.10.2022	Monday	Friday	13
	08.10.2022	Tuesday		
	15.10.2022	Wednesday		
	22.10.2022	Monday		
	29.10.2022	Tuesday		
November	05.11.2022	Wednesday		
	19.11.2022	Wednesday		

Regulation 2021

AWARDING MARKS FOR INTERNAL ASSESSMENT

THEORY COURSES (Clause 12.1)

Two assessments each carrying 100 marks shall be conducted during the semester by the Department / College concerned. The total marks obtained in all assessments put together out of 200, shall be proportionately reduced for 40 marks and rounded to the nearest integer (This also implies equal weightage to the two assessments).

Assessment I (100 Marks)		**Assessment 2 (100 Marks)**		**Total** Internal Assessment
Individual Assignment / Case Study / Seminar / Mini Project	Written Test	Individual Assignment / Case Study / Seminar / Mini Project	Written Test	
40	**60**	**40**	**60**	**200***

*The weighted average shall be converted into 40 marks for internal Assessment

LABORATORY COURSES (Clause 12.2)

The maximum marks for Internal Assessment shall be 60 marks in case of practical courses. Every practical exercise / experiment shall be evaluated based on conduct of experiment / exercise and records to be maintained. There shall be at least one test. The criterion for arriving at the Internal Assessment marks of 60 is as follows: 75 marks shall be awarded for successful completion of all the prescribed experiments done in the Laboratory and 25 marks for the test. The total mark shall be converted into a maximum of 60 marks and rounded to the nearest integer

Assessment (100 Marks)	
Evaluation of Laboratory Observation, Record	Test
75	**25**

* Internal assessment marks shall be converted into 60 marks

Note:

1. Internal Assessment Test I covers the syllabus of Unit I, Unit II, and ½ of UNIT III. Internal Assessment Test II covers the syllabus of ½ of Unit III, Unit IV and UNIT V.
2. During the regular period, the concerned faculty member may conduct a revision test/Unit test (optional) following the completion of each unit. The Question paper, as well as the mark statement, should be sent to the exam cell.
3. The faculty members should evaluate the Answer scripts on the day(s) announced by exam control office for central valuation or through Online Mode. The mark statements of all the subjects will be prepared by exam control office and the same will be given to the respective faculty members. The evaluated answer scripts should be distributed to the students for clarification/verification of marks allotted and should be returned within 2 days after completion of central valuation. In case of any change in marks awarded must be communicated to the exam control office.

4. No Retest will be conducted and it is not encouraged. However, the Students who are absent for the Test due to genuine reasons such as Medical grounds, Sports Activities etc with prior permission are permitted for retest.
5. Model exam will be conducted subjected to availability of working days.
6. Each student shall submit the given Individual Assignment / Case Study / Seminar / Mini Project to fulfill the norms of the Anna University for calculating the internal marks as per the weightage given in Clause 12.1 for all the courses. The faculty member evaluates the Individual Assignment / Case Study / Seminar / Mini Project based on the rubrics and submit the mark statement to the Exam cell.
7. Outcome based assessment will be done using the direct assessment tools such as Internal Assessment Test / Individual Assignment / Case Study / Seminar / Mini Project and the attainment of course outcomes, program outcomes and program specific outcomes will be calculated to fulfill the requirement of NBA/NAAC accreditation.

22/8/22 22/8/22 22/8/22

Academic Coordinator **Vice Principal** **Principal**

ACADEMIC CALENDAR

Academic year: 2022-2023 (ODD Semester)

UG Degree Programmes

Regulation 2021

I Semester B.E./B.Tech Programme

Reference: Anna University Academic Schedule: November 2022 - April 2023 (Semester I) Dated 02.11.2022.

UG Degree Programmes

- B.E Civil Engineering
- B.E Computer Science and Engineering
- B.E Electrical and Electronics Engineering
- B.E Electronics and Communications Engineering
- B.E Mechanical Engineering
- B.Tech Artificial Intelligence and Data Science
- B.Tech Computer Science and Business Systems
- B.Tech Information Technology

15/12/22

Detailed AcademicCalendar						2022-2023 (Odd Semester)			
NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1 TUE	SIP Starts OCT 28	1 THU	11	1 SUN	Holiday	1 WED	58	1 WED	80
2 WED		2 FRI	12	2 MON	36	2 THU	59	2 THU	81
3 THU		3 SAT	13 TUE	3 TUE	37	3 FRI	60	3 FRI	82
4 FRI		4 SUN	Holiday	4 WED	38 IAT I Ends	4 SAT	Holiday	4 SAT	83 WED Completion of Unit V
5 SAT		5 MON	14 Completion of Unit I	5 THU	39 Placement Training	5 SUN	Holiday	5 SUN	Holiday
6 SUN	Holiday	6 TUE	15	6 FRI	40 Placement Training	6 MON	61	6 MON	84 IAT II Starts
7 MON		7 WED	16 Log Book Sign	7 SAT	41 Placement Training	7 TUE	62	7 TUE	85 Log Book Sign
8 TUE		8 THU	17	8 SUN	Holiday	8 WED	63	8 WED	86
9 WED		9 FRI	18	9 MON	42 Placement Training	9 THU	64	9 THU	87
10 THU	SIP Ends	10 SAT	Holiday	10 TUE	43 Placement Training	10 FRI	65	10 FRI	88
11 FRI	Bridge Course Starts	11 SUN	Holiday	11 WED	44 Feedback Collection	11 SAT	66 TUE	11 SAT	Holiday
12 SAT	Holiday	12 MON	19	12 THU	45 CCM II	12 SUN	Holiday	12 SUN	Holiday
13 SUN	Holiday	13 TUE	20	13 FRI	46 PTA Meeting	13 MON	67 Completion of Unit IV	13 MON	89 IAT II Ends
14 MON		14 WED	21	14 SAT	Holiday	14 TUE	68	14 TUE	90 Feedback Collection
15 TUE		15 THU	22	15 SUN	Pongal	15 WED	69 Log Book Sign	15 WED	91 CCM III
16 WED	Course File Submission	16 FRI	23	16 MON	Thiruvalluvar Day	16 THU	70	16 THU	92 Model Lab
17 THU	Bridge Course Ends	17 SAT	24 THU	17 TUE	Uzhavar Thirunal	17 FRI	71	17 FRI	93 Model Lab
18 FRI	1 Commencement of classes for I year	18 SUN	Holiday	18 WED	47	18 SAT	Holiday	18 SAT	94 WED Model Lab

19 SAT	2 MON	19 MON	25	19 THU	48 CCM II Minutes	19 SUN	Holiday	19 SUN	Holiday
20 SUN	Holiday	20 TUE	26	20 FRI	49	20 MON	72	20 MON	95 CCM III Minutes
21 MON	3	21 WED	27 Completion of Unit II	21 SAT	50 MON	21 TUE	73	21 TUE	96
22 TUE	4 CCM I	22 THU	28 Log Book Sign	22 SUN	Holiday	22 WED	74	22 WED	Telegu New year
23 WED	5	23 FRI	29	23 MON	51	23 THU	75	23 THU	97 Last Working Day
24 THU	6	24 SAT	30 FRI	24 TUE	52	24 FRI	76	24 FRI	
25 FRI	7 CCM I Minutes	25 SUN	Holiday Christmas	25 WED	53	25 SAT	77 MON	25 SAT	Commencement of Practical Examination
26 SAT	Fresher's Day	26 MON	31	26 THU	Republic Day	26 SUN	Holiday	26 SUN	
27 SUN	Holiday	27 TUE	32	27 FRI	54 Completion of Unit III	27 MON	78	27 MON	
28 MON	8	28 WED	33 IAT I Starts	28 SAT	55 THU	28 TUE	79	28 TUE	
29 TUE	9	29 THU	34	29 SUN	Holiday			29 WED	
30 WED	10	30 FRI	35	30 MON	56 Log Book Sign			30 THU	
		31 SAT	Holiday	31 TUE	57			31 FRI	

No. of working Days: 97 (As per Clause 5.2 minimum of 75 Days or 540 Periods)

	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	TOTAL
MON	02 + 01	04	02 + 01	04+01	01	16
TUE	02	04 + 01	02	04 + 01	02	16
WED	02	03	03	04	02+02	16
THU	01	04 + 01	02 + 01	04	03	16
FRI	02	04 + 01	03	04	02	16
SAT	*01*	*03*	*03*	*02*	*02*	*11*
TOTAL (Regular Class days)	**10**	**22**	**14**	**22**	**12**	**80**

Internal Assessment Test Syllabus

IAT I: Unit I, Unit II and ½ of Unit III	**IAT II:** ½ of Unit III, Unit IV and Unit V

Academic Coordinator **Vice Principal** **Principal**

RAMCO INSTITUTE OF TECHNOLOGY

Approved by AICTE, New Delhi & Affiliated to Anna University
Accredited by NAAC & An ISO 9001:2015 Certified Institution
NBA Accredited UG Programs: CSE, EEE, ECE and MECH

Department of Electrical and Electronics Engineering

Faculty-Subject Allocation

Academic Year: 2022-2023 (Even Semester)

Date: 24.01.2023

Sl. No.	Name of the Faculty member	Name of the Subjects allotted				Total periods /Week	Remarks
		Theory	Semester/ Branch	Practical	Semester/ Branch		
1.	Dr. S. Kannan	EE8602 Protection and Switchgear	VI Semester B.E EEE	-	-	4	-
2.	Dr. K. Karthikeyan	EE8019 Smart Grid (Advancement Course)	VI Semester B.E EEE	-	-	5	-
		GE3252 தமிழரும் தொழில்நுட்பமும் / Tamils & Technology	II Semester B.E EEE				
3.	Dr. B. Deepa Lakshmi	BE3251 Basic Electrical and Electronics Engineering	II Semester B.E MECH	EE8611 Mini Project	VI Semester B.E EEE	8	-
4.	Mr. D. Karthik Prabhu	EE3401 Transmission and Distribution	IV Semester B.E EEE	EE8811 Project Work	VIII Semester B.E EEE	8	-
5.	Mr. E. Thangam	EE8019 Smart Grid	VIII Semester B.E EEE	GE3271 Engineering Practices Laboratory	II Semester B.E EEE	12	
		BE3251 Basic Electrical and Electronics Engineering	II Semester B. Tech AI & DS - B				
6.	Mr. S. Meenakshi Sundaravel	EE8601 Solid State Drives	VI Semester B.E EEE	EE8661 Power Electronics and Drives Laboratory	VI Semester B.E EEE	16	III Year EEE Class Advisor
		BE3251 Basic Electrical and Electronics Engineering	II Semester B. Tech CSBS				

Sl. No.	Name of the Faculty member	Name of the Subjects allotted				Total periods /Week	Remarks
		Theory	Semester/ Branch	Practical	Semester/ Branch		
7.	Mr. A. Arun Kumar	BE3251 Basic Electrical and Electronics Engineering	II Semester B.E CSE – A	EE3271 Electric Circuits Laboratory	II Semester B.E EEE	14	-
				EE3411 Electrical Machines Laboratory – II	IV Semester B.E EEE		
8.	Mr. A.S. Vigneshwar	EE3402 Linear Integrated Circuits	IV Semester B.E EEE	EE3412 Linear and Digital Circuits Laboratory	IV Semester B.E EEE	14	IV Year EEE Class Advisor
				GE3271 Engineering Practices Laboratory	II Semester B. Tech CSBS		
9.	Mrs. S. Jeyanthi	EE3405 Electrical Machines – II	IV Semester B.E EEE	EE3411 Electrical Machines Laboratory - II	IV Semester B.E EEE	14	II Year EEE Class Advisor
		BE3251 Basic Electrical and Electronics Engineering	II Semester B.E CSE – B				
10.	Ms. S. Sharmila Kumari	EE8691 Embedded Systems	VI Semester B.E EEE	EE8661 Power Electronics and Drives Laboratory	VI Semester B.E EEE	16	-
		BE3251 Basic Electrical and Electronics Engineering	II Semester B. Tech AI & DS - A				
11.	Mrs. G. Sivapriya	EE3404 Microprocessor and Microcontroller	IV Semester B.E EEE	EE3413 Microprocessor and Microcontroller Laboratory	IV Semester B.E EEE	14	
		BE3251 Basic Electrical and Electronics Engineering	II Semester B. Tech IT				
12.	Mr. A. Guna	EE3403 Measurements and Instrumentation	IV Semester B.E EEE	BE3272 Basic Electrical, Electronics and Instrumentation Engineering Lab	II Semester B.E CIVIL	12	-
		BE3252 Basic Electrical, Electronics and Instrumentation Engineering	II Semester B.E CIVIL				

Sl. No.	Name of the Faculty member	Name of the Subjects allotted				Total periods /Week	Remarks
		Theory	Semester/ Branch	Practical	Semester/ Branch		
13.	Mr. R. Thangasankaran	EE3251 Electric Circuit Analysis	II Semester B.E EEE	EE3271 Electric Circuits Laboratory	II Semester B.E EEE	13	I Year EEE Class Advisor
				BE3271 Basic Electrical and Electronics Engineering Lab	II Semester B.E MECH		

Note:

1. GE3451 Environmental Sciences and Sustainability for IV Semester B.E EEE will be taught by Chemistry department faculty member.
2. Professional Elective I (GE8075 Intellectual Property Rights) for VI Semester B.E EEE will be taught by Mechanical department faculty member.
3. EE8681 Microprocessors and Microcontrollers Laboratory for VI Semester B.E EEE will be taught by ECE department faculty members.
4. Professional Elective V (MG8591 Principles of Management) for VIII Semester B.E EEE will be taught by Mechanical department faculty member.

25/01/23
HOD
[S.KANNAN]

Principal
28/1/23

RAMCO INSTITUTE OF TECHNOLOGY

Department of Electrical and Electronics Engineering

Academic Year: 2022-2023 (Even Semester)

Faculty Workload

Sl.No.	Name of the Faculty member	Teaching			Co-Curricular Periods	Total Contact Periods/week	Workload (Hours)
		Theory	Practical	Tutorial			
1.	Dr. S. Kannan	4	-	-	-	4	4
2.	Dr. K. Karthikeyan	4	-	-	2	4	4
3.	Mr. B. Deepa Lakshmi	5	4	-	-	9	9
4.	Mr. D. Karthik Prabhu	4	8	-	-	12	12
5.	Mr. E. Thangam	8	4	-	-	12	12
6.	Mr. S. Meenakshi Sundaravel	8	8	-	-	16	12
7.	Mr. A. Arun Kumar	4	10	-	-	14	11
8.	Mr. A. S. Vigneshwar	4	10	-	2	14	11
9.	Mrs. S. Jeyanthi	8	6	-	-	14	11
10.	Mr. S. Sharmila Kumari	8	8	-	-	16	12
11.	Mrs. G. Sivapriya	8	6	-	-	14	11
12.	Mr. A. Guna	8	4	-	-	12	12
13.	Mr. R. Thangasankaran	4	8	1	-	13	13

S.K 10/05/23
HOD

Note:

1. Teaching workload includes the number of hours of theory, tutorial, practical and project work. The 2 hours of practical is considered as 1 hour of workload.
2. Co-curricular Periods include counseling hour, Training & Placement hour, Aptitude hour, Internet hour, Association hour, Communication Skills hour, Library hour etc.

RAMCO INSTITUTE OF TECHNOLOGY

Department of Electrical and Electronics Engineering

Academic Year: 2022 - 2023 (Even Semester)

Letter of Requisition

To,

HOD/ Department of Mechanical Engineering

I request you to allot suitable Faculty members for teaching the following courses of our department.

Sl. No.	Theory Course Code and Title	Year / Semester/ Branch	Remarks
1.	GE8075 Intellectual Property Rights (Professional Elective – I)	III / VI Semester B.E. EEE	
2.	MG8591 Principles of Management (Professional Elective – V)	IV / VIII Semester B.E. EEE	

S.K 18/01/23
HOD/EEE
[S.KANNAN]

Principal 23

RAMCO INSTITUTE OF TECHNOLOGY

Department of Electrical and Electronics Engineering

Academic Year: 2022 - 2023 (Even Semester)

Letter of Requisition

To,

HOD/ Department of Chemistry

I request you to allot suitable Faculty member for teaching the following course of our department.

Sl. No.	Theory Course Code and Title	Year / Semester/ Branch	Remarks
1.	GE3451 Environmental Sciences and Sustainability	IV Semester B.E. EEE	

S. Kannan 18/01/23
HOD/EEE
[S. KANNAN]

Principal 18/1/23

RAMCO INSTITUTE OF TECHNOLOGY

Department of Electrical and Electronics Engineering

Academic Year: 2022 - 2023 (Even Semester)

Letter of Requisition

To,

HOD/ Department of Electronics and Communication Engineering

I request you to allot suitable Faculty members for teaching the following courses of our department.

Sl. No.	Course Code and Title	Year / Semester/ Branch	Remarks
1.	EE8681 Microprocessors and Microcontrollers Laboratory	III / VI Semester B.E. EEE	-
2.	EE3412 Linear and Digital Circuits Laboratory	II / IV Semester B.E EEE	1 faculty from EEE and 1 faculty from ECE
3.	EE3413 Microprocessor and Microcontroller Laboratory	II / IV Semester B.E EEE	1 faculty from EEE and 1 faculty from ECE
4.	BE3271 Basic Electrical and Electronics Engineering Lab	II Semester B.E Mechanical	1 faculty from EEE and 1 faculty from ECE
5.	BE3272 Basic Electrical, Electronics and Instrumentation Engineering Lab	II Semester B.E Civil	1 faculty from EEE and 1 faculty from ECE

S.K 18/01/23
HOD/EEE
[S. KANNAN]

Principal
Dec 1, 23

RAMCO INSTITUTE OF TECHNOLOGY

Department of Electrical and Electronics Engineering

Academic Year: 2022-2023 (Even Semester)

Faculty-Subject Preference

Name of the Faculty Member: K. Karthikeyan **Designation:** ASP / EEE

Area of Specialization: Electrical Engineering

Preference No.	Theory Course Code / Course Title	Year / Semester/ Branch	Already Handled in RIT (Yes/No If yes, No. of Times)	Pass Percentage (If handled already)
1.	EE8019 – Smart Grid (Advancement)	III / VI / EEE	Yes, 3	> 90%
2.	EE3402 – Linear Integrated circuits	II / IV / EEE	No	–
3.	EE3251 – Electric circuit Analysis	I / II / EEE	No	–
4.	GE3252 – Tamil and Technology	I / II / EEE	no	–

Preference No.	Laboratory Course Code / Course Title	Year /Semester / Branch	Already Handled (Yes/No If yes, No. of Times)
1.	EE8611 – Mini Project	III / VI / EEE	Yes, 1
2.	EE3418 – Electrical Machines Lab – I	II / IV / EEE	No, –
3.	EE3271 – Electrical Circuits Laboratory	I / II / EEE	Yes, 1

23/12/2022

Signature of the Faculty Member

Preference No.	Reason for the preference (Theory Courses only)
1.	I have handled the subject 3 times and produced good results.
2.	I am interested in handling this subject
3.	I have handled this subject many times in R2013 and R2017 regulations and produced good results.
4.	I am interested in handling this subject.
Signature of the Faculty Member:	22/12/22

Opinion of HOD:
Since, he handled the course "Smart Grid" already and produced good results, the course may be allotted to him.
Signature of the HOD: 24/12/22

RAMCO INSTITUTE OF TECHNOLOGY

Department of Electrical and Electronics Engineering

Academic Year: 2022-2023 (Even Semester)

Faculty-Subject Preference

Name of the Faculty Member: D. KARTHIK PRABHU **Designation:** AP (SG) / EEE

Area of Specialization: HIGH VOLTAGE ENGINEERING

Preference No.	Theory Course Code / Course Title	Year / Semester/ Branch	Already Handled in RIT (Yes/No If yes, No. of Times)	Pass Percentage (If handled already)
1.	EE8603 Protection and Switchgear.	III/VI/ EEE	Yes 2	100% 96.97%
2.	EE3401 Transmission and Distribution	II/IV/EEE	Yes 5	98.48%, 100% 78.95%, 96.96% 82.14 %
3.	EE3403 Measurements and Instrumentation	II/IV/EEE	No	-
4.	EE3404 Microprocessor and microcontroller	II/IV/EEE	No	-

Preference No.	Laboratory Course Code / Course Title	Year /Semester / Branch	Already Handled (Yes/No If yes, No. of Times)
1.	EE8811 project work	IV/VIII/EEE	Yes, 2
2.	EE 8611 Mini project	III/VI/EEE	Yes, 1
3.	EE 3413 Microprocessor and microcontroller laboratory	II/IV/EEE	NO

23/12/2021.

Signature of the Faculty Member

Preference No.	Reason for the preference (Theory Courses only)
1.	Interested in teaching Switchgear concepts and protection methods.
2.	Area of Interest. Teach the concepts using real modeling and Field visit.
3.	Want to update the knowledge and Recent Advances in measurements and Instrumentation
4.	Want to teach and Update the knowledge in Microprocessor and microcontrollers.
Signature of the Faculty Member:	23/12/2022

Opinion of HOD:
He already handled the Course, "Transmission & Distribution and produced good results, So, the Course may be allotted.
Signature of the HOD: S.K 24/12/22

RAMCO INSTITUTE OF TECHNOLOGY

Department of Electrical and Electronics Engineering

Academic Year: 2022-2023 (Even Semester)

Faculty-Subject Preference

Name of the Faculty Member: E. Thangam, AP(SG) **Designation:** AP(SG)/EEE

Area of Specialization: Power System Engineering

Preference No.	Theory Course Code / Course Title	Year / Semester/ Branch	Already Handled in RIT (Yes/No . If yes, No. of Times)	Pass Percentage (If handled already)
1.	BE3251 Basic Electrical and Electronics Engineering	I/II AI&DS	No	—
2.	EE8019 Smart Grid	IV/VIII EEE	NO	—
3.	EE8602 Protection & Switchgear	III/VI EEE	Yes (3)	96.5% 100% 95%
4.	EE3403 Measurements and Instrumentation	II/IV EEE	NO	—

Preference No.	Laboratory Course Code / Course Title	Year /Semester / Branch	Already Handled (Yes/No If yes, No. of Times)
1.	GE 3271 Engineering Practices Laboratory	I/II/EEE	Yes (2)
2.	EE3411 Electrical Machines Laboratory -II		
3.			

22/12/22

Signature of the Faculty Member

Preference No.	Reason for the preference (Theory Courses only)
1.	It is a basic electrical engineering subject, and I wish to ~~handle~~ teach it for first year AI&DS Students
2.	Smart Grid is an emerging field in the area of Power system, hence i wish to ~~handle~~ teach this Course
3.	Protection Switchgear is belongs to Power System Domain, hence ic an ~~handle~~ teach and produce good results
4.	It is basic Course in EEE, I can ~~handle~~ teach this subject well, and to produce good results.
	Signature of the Faculty Member: 22/12/22

Opinion of HOD:
He is interested in handling the emerging Course "Smart Grid", So it may be allotted to him. Also, the Course BEEE may be allotted based on his willingness.
Signature of the HOD: 24/12/22

RAMCO INSTITUTE OF TECHNOLOGY

Department of Electrical and Electronics Engineering

Faculty-Subject Allocation

Academic Year: 2022-2023 (Odd Semester)

24.08.2022

Sl.No.	Name of the Faculty member	Names of the Subjects allotted				Total periods /Week	Remarks
		Theory	Semester/ Branch	Practical	Semester/ Branch		
1.	Dr. S. Kannan	EE8702 Power System Operation and Control	VII Semester B.E EEE	-	-	4	-
2.	Dr. K. Karthikeyan	EE8701 High Voltage Engineering	VII Semester B.E EEE	GE3171 Problem Solving and Python Programming Laboratory	I Semester B.E EEE	8	-
3.	Mr. D. Karthik Prabhu	EE8591 Digital Signal Processing	V Semester B.E EEE 'A'	EC3311 Electronic Devices and Circuits Laboratory	III Semester B.E EEE	11.5	-
4.	Mr. E. Thangam	EE3303 Electrical Machines – I	III Semester B.E EEE	EE3311 Electrical Machines Laboratory – I	III Semester B.E EEE	11.5	-
				GE3361 Professional Development	III Semester B.E EEE		
5.	Mr. S. Meenakshi Sundaravel	EE8552 Power Electronics	V Semester B.E EEE 'A'	EE8712 Renewable Energy Systems Laboratory	VII Semester B.E EEE	12	III Year EEE 'A' Class Advisor
				EE8511 Control and Instrumentation Laboratory	V Semester B.E EEE 'A'		

Sl.No.	Name of the Faculty member	Names of the Subjects allotted				Total periods /Week	Remarks
		Theory	Semester/ Branch	Practical	Semester/ Branch		
6.	Mr. A. Arun Kumar	EC3301 Electron Devices and Circuits	III Semester B.E EEE	EC3311 Electronic Devices and Circuits Laboratory	III Semester B.E EEE	15.5	-
				EE8712 Renewable Energy Systems Laboratory	VII Semester B.E EEE		
				GE3361 Professional Development	III Semester B.E EEE		
7.	Mr. A.S. Vigneshwar	EE8501 Power System Analysis	V Semester B.E EEE 'A'	EE8711 Power System Simulation Laboratory	VII Semester B.E EEE	10	IV Year EEE Class Advisor
				Training and Placement	VII Semester B.E EEE		
8.	Mrs. S. Jeyanthi	OCH752 Energy Technology (Open Elective II)	VII SEM	EE3311 Electrical Machines Laboratory – I	III Semester B.E EEE	15	II Year EEE Class Advisor
		EE3301 Electromagnetic Fields	III Semester B.E EEE				
9.	Ms. S. Sharmila Kumari	EE8551 Microprocessors and Microcontrollers	V Semester B.E EEE 'A' & 'B'	EE8511 Control and Instrumentation Laboratory	V Semester B.E EEE 'B'	12	-

Sl.No.	Name of the Faculty member	Names of the Subjects allotted				Total periods /Week	Remarks
		Theory	Semester/ Branch	Practical	Semester/ Branch		
10.	Mrs. G. Sivapriya	EE8703 Renewable Energy Systems	VII Semester B.E EEE	EE8711 Power System Simulation Laboratory	VII Semester B.E EEE	12	III Year EEE 'B' Class Advisor
		EE8501 Power System Analysis	V Semester B.E EEE 'B'				
11.	Mr. A. Guna	EE3302 Digital Logic Circuits	III Semester B.E EEE	EE8511 Control and Instrumentation Laboratory	V Semester B.E EEE 'A' & 'B'	11.5	-
12.	Mr. R. Thangasankaran	GE3151 Problem Solving and Python Programming	I Semester B.E EEE	GE3171 Problem Solving and Python Programming Laboratory	I Semester B.E EEE	12	-
		EE8552 Power Electronics	V Semester B.E EEE 'B'				

Note:

1. MA3303 Probability and Complex Functions will be taught by Mathematics department faculty members.
2. CS3354 Data Structures and OOPS, CS3363 Data Structures and OOPS Laboratory will be taught by CSE department faculty members.
3. CS8392 Object Oriented Programming, CS8383 Object Oriented Programming Laboratory will be handled by CSE department faculty members.
4. EE8591 Digital Signal Processing (V Semester B.E EEE 'B') will be handled by ECE department faculty member.
5. HS8581 Professional Communication will be handled by English department faculty members.
6. GE8071 Disaster Management (Professional Elective III), GE8077 Total Quality Management (Professional Elective IV) will be handled by Mechanical department faculty members.

S.K 24/08/22

HOD

[S.KANNAN]

22.8.22

Principal

RAMCO INSTITUTE OF TECHNOLOGY

Department of Electrical and Electronics Engineering

Academic Year: 2022-2023 (Odd Semester)

Faculty Workload

Sl.No.	Name of the Faculty member	Teaching			Co-Curricular Periods	Total Contact Periods/week	Workload (Hours)
		Theory	Practical	Tutorial			
1.	Dr. S. Kannan	4	-	-	-	4	4
2.	Dr. K. Karthikeyan	4	4	1	-	9	9
3.	Mr. D. Karthik Prabhu	5.5	6	1	-	12.5	9.5
4.	Mr. E. Thangam	3.5	8	-	-	11.5	8.5
5.	Mr. S. Meenakshi Sundaravel	4	8	-	-	12	12
6.	Mr. A. Arun Kumar	3.5	12	-	-	15.5	12.5
7.	Mr. A. S. Vigneshwar	4	6	-	-	10	10
8.	Mrs. S. Jeyanthi	9	6	-	-	15	12
9.	Mr. S. Sharmila Kumari	8	4	-	-	12	12
10.	Mrs. G. Sivapriya	8	4	-	-	12	12
11.	Mr. A. Guna	3.5	8	-	-	11.5	11.5
12.	Mr. R. Thangasankaran	9	4	-	-	13	13

S. Kan 24/08/22

HOD

Note:

1. Teaching workload includes the number of hours of theory, tutorial, practical and project work. The 2 hours of practical is considered as 1 hour of workload.
2. Co-curricular Periods include counseling hour, Training & Placement hour, Aptitude hour, Internet hour, Association hour, Communication Skills hour, Library hour etc.

RAMCO INSTITUTE OF TECHNOLOGY

Department of Electrical and Electronics Engineering

Academic Year: 2022 – 2023 (Odd Semester)

Open Electives offered by EEE Department

23.07.2022

The followings are the open elective offered by Electrical and Electronics Engineering for the academic year 2022-2023 Odd Semester.

Open Elective – I

Name of the Open Elective	: ORO551 RENEWABLE ENERGY SOURCES
Faculty Coordinator	: Mr. N.L. Sujin, AP-Mechanical
Year / Semester	: III Year / V Semester
Branch	: CIVIL, ECE
Intake	: 45

Open Elective – II

Name of the Open Elective	: OCH752 Energy Technology
Faculty Coordinator	: Mrs. S. Jeyanthi, AP-EEE
Year / Semester	: IV Year / VII Semester
Class	: ECE & CSE
Intake	: 60

S.K 23/07/22

HoD- EEE

[S.KANNAN]

23/7/22

Principal

RAMCO INSTITUTE OF TECHNOLOGY

Department of Electrical and Electronics Engineering

Academic Year: 2022-2023 (Odd Semester)

Letter of Requisition

To,

HOD/ Department of Electronics and Communication Engineering

I request you to allot suitable Faculty member for teaching the following course of our department.

Sl. No.	Theory Course Code and Title	Year / Semester/ Branch	Remarks
1.	EE8591 Digital Signal Processing	V Semester B.E. EEE 'B'	-

S. Kannan 02/07/22
HoD/EEE
[S. KANNAN]

2.7.22
Principal

RAMCO INSTITUTE OF TECHNOLOGY

Department of Electrical and Electronics Engineering

Academic Year: 2022-2023 (Odd Semester)

Letter of Requisition

To,

HOD/ Department of English

I request you to allot suitable Faculty member for teaching the following course of our department.

Sl. No.	Theory Course Code and Title	Year / Semester/ Branch	Remarks
1.	HS8581 Professional Communication	V Semester B.E. EEE 'A' & 'B'	-

S.K 02/07/22
HoD/EEE
[S.KANNAN]

2/7/22
Principal

RAMCO INSTITUTE OF TECHNOLOGY

Department of Electrical and Electronics Engineering

Academic Year: 2022-2023 (Odd Semester)

Letter of Requisition

To,

HOD/ Department of Computer Science and Engineering

I request you to allot suitable Faculty members for teaching the following courses of our department.

Sl. No.	Theory Course Code and Title	Year / Semester/ Branch	Remarks
1.	CS8392 Object Oriented Programming	V Semester B.E. EEE 'A' & 'B'	-

Sl. No.	Laboratory Course Code and Title	Year / Semester/ Branch	Remarks
1.	CS8383 Object Oriented Programming Laboratory	V Semester B.E. EEE 'A' & 'B'	-

S.K 02/07/22
HoD/EEE

Principal

RAMCO INSTITUTE OF TECHNOLOGY

Department of Electrical and Electronics Engineering

Academic Year: 2022-2023 (Odd Semester)

Letter of Requisition

To,

HOD/ Department of Mechanical Engineering

I request you to allot suitable Faculty members for teaching the following courses of our department.

Sl. No.	Theory Course Code and Title	Year / Semester/ Branch	Remarks
1.	Professional Elective III GE8071 Disaster Management	VII Semester B.E. EEE	-
2.	Professional Elective IV GE8077 Total Quality Management	VII Semester B.E. EEE	-
3.	Advancement Course - Professional Elective V (GE8076 Professional Ethics in Engineering)	VII Semester B.E. EEE	-
4.	Advancement Course - Professional Elective V (MG8591 Principles of Management)	VII Semester B.E. EEE	-
5.	Open Elective - I (ORO551 Renewable Energy Sources)	V Semester B.E. Civil & ECE	-

S. K. 19/07/22
HoD/EEE
[S. KANNAN]

20/7/22
Principal

RAMCO INSTITUTE OF TECHNOLOGY

Department of Electrical and Electronics Engineering

Academic Year: 2022-2023 (Odd Semester)

Faculty-Subject Preference

Name of the Faculty Member: K. Karthikeyan **Designation:** Associate Professor

Area of Specialization: Electrical Engineering (HVE)

Preference No.	Theory Course Code / Course Title	Year / Semester/ Branch	Already Handled in RIT (Yes/No If yes, No. of Times)	Pass Percentage (If handled already)
1.	EE8701 – High Voltage Engineering	IV / VII / EEE	Yes, 2 times	> 90%
2.	EC8353 – Electron Devices and Circuits	II / III / EEE	No	–
3.	EE8501 – Power System Analysis	III / V / EEE	No	–
4.	EE8702 – Power System Operation & Control	IV / VII / EEE	No	–

Preference No.	Laboratory Course Code / Course Title	Year /Semester / Branch	Already Handled (Yes/No If yes, No. of Times)
1.	EE8711 – Power System Simulation Laboratory	IV / VII / EEE	Yes, 2 times
2.	EC8311 – Electronics Laboratory	II / III / EEE	Yes, 1 time
3.	EE8712 – Renewable Energy Systems Laboratory	IV / VII / EEE	No

29/6/2022

Signature of the Faculty Member

Preference No.	Reason for the preference (Theory Courses only)
1.	My specialization is in HVE. I have handled the subject 2 times and produced good results.
2.	I have handled this subject in R2017 and produced good results.
3.	Interested to handle this subject, since it is basis for power system.
4.	Interested to handle this subject, since it is basis for the power system
Signature of the Faculty Member:	29/6/2022

Opinion of HOD:
His area of Specialization is High voltage Engineering, also he handled the course for 2 times already and produced good results, so, the Course may be allotted.
Signature of the HOD: 08/07/22

RAMCO INSTITUTE OF TECHNOLOGY

Department of Electrical and Electronics Engineering

Academic Year: 2022-2023 (Odd Semester)

Faculty-Subject Preference

Name of the Faculty Member: Mr. D KARTHIK PRABHU **Designation:** AP (SG)

Area of Specialization: HIGH VOLTAGE ENGINEERING

Preference No.	Theory Course Code / Course Title	Year / Semester/ Branch	Already Handled in RIT (Yes/No If yes, No. of Times)	Pass Percentage (If handled already)
1.	EE8591 Digital Signal processing	III / V / EEE	Yes 2	100%
2.	Electronic Devices and Circuits	II / III / EEE	NO	–
3.	Digital Logic Circuits	II / III / EEE	NO	–
4.	EE8701 High voltage Engineering	IV / VII / EEE	Yes 4	100%, 92.93% 96.97%, 94.64%

Preference No.	Laboratory Course Code / Course Title	Year /Semester / Branch	Already Handled (Yes/No If yes, No. of Times)
1.	Electronics Laboratory	II / III / EEE	NO
2.	Electrical Engineering Laboratory	II / III / MECH	Yes
3.	Control & Instrumentation Laboratory	III / V / EEE	NO

30/6/2022

Signature of the Faculty Member

Preference No.	Reason for the preference (Theory Courses only)
1.	Interest to teach and learn the Digital Signal processing.
2.	Interest to teach & learn the Electronic circuits
3.	Interest to teach & learn Digital circuits
4.	Area of Interest & my specialization.
	Signature of the Faculty Member: 30/6/2022

Opinion of HOD:
Based on his willingness & interest on the Course Digital Signal processing, the Course may be allotted to him also since he handled for 2 times & Produced good results.
Signature of the HOD: S.K 06/07/22

RAMCO INSTITUTE OF TECHNOLOGY

Department of Electrical and Electronics Engineering

Academic Year: 2022-2023 (Odd Semester)

Faculty-Subject Preference

Name of the Faculty Member: S. Meenakshi Sundaravel **Designation:** AP(SG)/EEE

Area of Specialization: Power Electronics and Drives

Preference No.	Theory Course Code / Course Title	Year / Semester/ Branch	Already Handled in RIT (Yes/No If yes, No. of Times)	Pass Percentage (If handled already)
1.	EE8552 – Power Electronics	III / VI EEE	No	—
2.	Electrical Drives and Controls	II / III MECH	Yes 4 times	100%
3.	Electronic Devices and Circuits	II / III EEE	Yes 6 times	100%
4.	EE8703 – Renewable Energy Systems	IV / VII EEE	No	—

Preference No.	Laboratory Course Code / Course Title	Year /Semester / Branch	Already Handled (Yes/No If yes, No. of Times)
1.	Electrical Engineering Laboratory	II / III Mech	Yes 2 times
2.	Electronics Laboratory	II / III EEE	Yes 6 times
3.	EE8712 – Renewable Energy Systems Laboratory	IV / VII EEE	No

4/7/22

Signature of the Faculty Member

Preference No.	Reason for the preference (Theory Courses only)
1.	It is my area of Specialization, so I am willing to handle the Course
2.	Already handled the Course, also it is under a part of my Specialization. So, willing to handle
3.	Already handled the Course and if allotted, I will handle.
4.	I am willing to handle the Course.
Signature of the Faculty Member:	4/7/22

Opinion of HOD:	
Since his area of Specialization is Power Electronics and Drives, the Same Course May be allotted to him.	
Signature of the HOD:	S.K 06/07/22

RAMCO INSTITUTE OF TECHNOLOGY

Department of Electrical and Electronics Engineering

Academic Year: 2022-2023 (Odd Semester)

Faculty-Subject Preference

Name of the Faculty Member: Arun kumar A **Designation:** AP

Area of Specialization: Power Systems Engineering

Preference No.	Theory Course Code / Course Title	Year / Semester/ Branch	Already Handled in RIT (Yes/No If yes, No. of Times)	Pass Percentage (If handled already)
1.	Electron Devices and circuits	II / III / EEE	NO	—
2.	EE8703 Renewable Energy Systems Laboratory	IV / VII / EEE	Yes - 1	100 %
3.	EE8702 Power System Operation and control	IV / VII / EEE	No	-
4.	EE8551 Microprocessors and microcontrollers	III / V / EEE	No	—

Preference No.	Laboratory Course Code / Course Title	Year /Semester / Branch	Already Handled (Yes/No If yes, No. of Times)
1.	Electron Devices and circuits Laboratory	II / III / EEE	-
2.	EE8712 - Renewable Energy System Laboratory	IV / VII / EEE	Yes - 2
3.	EE8711 - Power System Simulation laboratory	IV / VII / EEE	NO

29/6/22

Signature of the Faculty Member

Preference No.	Reason for the preference (Theory Courses only)
1.	willing to teach this basic course, since it is one of the fundamental course to learn IoT
2.	Since my area of specilization is power system, this course enable to acquire research concepts
3.	Since my area of specilization is Power systems.
4.	This course is related with IoT
Signature of the Faculty Member:	29/6/22

Opinion of HOD:	
He is new to handle this course. Based on his willingness & interest, the course Electron Devices and Circuits for III Semester EEE Students can be allotted to him.	
Signature of the HOD:	S.K 06/07/22

RAMCO INSTITUTE OF TECHNOLOGY

Department of Electrical and Electronics Engineering

Academic Year: 2022-2023 (Odd Semester)

Faculty-Subject Preference

Name of the Faculty Member: S.JEYANTHI **Designation:** AP

Area of Specialization: Power Electronics and Drives

Preference No.	Theory Course Code / Course Title	Year / Semester/ Branch	Already Handled in RIT (Yes/No If yes, No. of Times)	Pass Percentage (If handled already)
1.	OCH752 Energy Technology	IV year VII sem. CSE, ECE	Yes (2)	100%
2.	Digital logic Circuits	II year III sem. EEE	Yes (1)	94.74%
3.	Electromagnetic Theory	II year III sem. EEE	Yes (2)	100%
4.	EE8703 Renewable Energy Systems	IV year VII Sem. EEE	No	–

Preference No.	Laboratory Course Code / Course Title	Year /Semester / Branch	Already Handled (Yes/No If yes, No. of Times)
1.	EE8712 Renewable Energy System Laboratory	IV year VII Sem. EEE	Yes (2)
2.	Electron Devices & Circuits Laboratory	II year III Sem EEE	Yes (1)
3.	Electrical Machines I Laboratory	II year, III Sem. EEE	No

S. Jeyanthi
29/6/2022

Signature of the Faculty Member

Preference No.	Reason for the preference (Theory Courses only)
1.	Willing to take the subject.
2.	Interested to handle the subject and already handled the course in R2017.
3.	Interested to handle the basic fundamental subject
4.	My research area is related with Renewable energy. So, I am interested to handle it.
	Signature of the Faculty Member: S. Sud 29/6/2022

Opinion of HOD:	
Since, She already handled the Course Energy technology & produced good results, it may be allotted to her. She handled Electromagnetic fields already. and due to her interest, it may be allotted.	
Signature of the HOD:	S.K 06/07/22

RAMCO INSTITUTE OF TECHNOLOGY

Department of Electrical and Electronics Engineering

Academic Year: 2022-2023 (Odd Semester)

Faculty-Subject Preference

Name of the Faculty Member: Mr G. SIVAPRIYA **Designation:** AP

Area of Specialization: APPLIED ELECTRONICS

Preference No.	Theory Course Code / Course Title	Year / Semester/ Branch	Already Handled in RIT (Yes/No If yes, No. of Times)	Pass Percentage (If handled already)
1.	Renewable Energy Systems / EE 8703	IV / VII EEE	Yes 1	100 %
2.	Power System Analysis / EE8501	III / V EEE	No	-
3.	Electron devices and Circuits	II / III EEE	Yes 1	-
4.	EE 8551 - Microprocessors and Microcontrollers	III / V EEE	-	-

Preference No.	Laboratory Course Code / Course Title	Year /Semester / Branch	Already Handled (Yes/No If yes, No. of Times)
1.	EE 8712 / Renewable Systems Laboratory	IV / VII EEE	—
2.	Electronics Laboratory	II / III EEE	1
3.	EE 8511 / Control & Instrumentation Lab	III / V EEE	-

02/07/22

Signature of the Faculty Member

Preference No.	Reason for the preference (Theory Courses only)
1.	I already handled this course.
2.	I handled this course three times in previous college.
3.	Since my area of specialization is Applied electronics, I am interested to handle this course.
4.	I already handled this course in previous college
Signature of the Faculty Member:	02/07/22

Opinion of HOD:
She already handled the Course Renewable Energy Systems for 1 time, it may be allotted. She is willing to handle Power System Analysis also. She handled the Same Course in her Previous College, it may be allotted to her.
Signature of the HOD: S.K 06/07/22

RAMCO INSTITUTE OF TECHNOLOGY

Approved by AICTE, New Delhi & Affiliated to Anna University
Accredited by NAAC & An ISO 9001: 2015 Certified Institution
NBA Accredited UG Programs: CSE, EEE, ECE and MECH

Department of Mechanical Engineering

Academic Year 2022 – 2023 (Even Semester)

Minutes of Meeting – 6th Program Assessment & Quality Improvement Committee (PA&QIC)

Brief Introduction about PA&QIC

Objective:

To enhance the quality of the program and to ensure continuous improvement in terms of Curriculum, Teaching Learning process (TLP), Student Performance, Faculty Contributions, Infrastructural facilities, Student support system and Industry interactions by effectively involving the stakeholders

Meeting frequency : Twice per year

Roles and Responsibilities :-
Convener : Formulating the agenda and convene the meeting
Member & Representative : Share their views and suggestion for continuous improvement. Monitor the progress of the department.
Deliverables : Submit report to Department Advisory Committee on effectiveness of program implementation in terms of each process analysis, action taken and impact.

Date of Meeting : 07.03.2023(Tuesday)

Time of Meeting : 2:30 PM to 5:00 PM

Reference : RIT/Mech./PA&QIC/06

Venue : Mechanical Seminar Hall

Members Present :

Sl. No.	Name of the Faculty Member	Designation	Responsibility
1.	Dr.S.Rajakarunakaran	Professor and Head / Mechanical	Convener
2.	Mr.M.Ashok Kumar	AP(SG) / Mechanical	Member
3.	Mr.S.Maharajan	AP(SG) /Mechanical	Member
4.	Mr.R.Prabhakaran	Assistant Professor / Mechanical	Member
5.	Mr.C.A.Yogaraja	Assistant Professor / CSE	Member
6.	Mr.A.Arun Kumar	Assistant Professor (SG) / EEE	Member
7.	Mrs.R.Ramalakshmi	Assistant Professor (SG) / ECE	Member
8.	Dr.G.Selvaraj	Assistant Professor / Maths	Member
9.	Dr.P.Suresh Kumar	Associate Professor / Mechanical	Representative

Sl. No.	Name of the Faculty Member	Designation	Responsibility
10.	Dr.M.Lakshmanan	AP(SG)/Mechanical	Representative
11.	Dr.V.Sivakumar	Associate Professor / Mechanical	Representative
12.	Mr.J.Jerold John Britto	AP(SG) / Mechanical	Representative
13.	Mr.M.Sivagaminathan alias Balaji	Assistant Professor (SG)	Representative
14.	Mr.S.Valai Ganesh	AP(SG)/Mechanical	Representative
15.	Mr.C.Gururaj	AP(SG) / Mechanical	Representative
16.	Mr.L.Karthikeyan	AP(SG)/Mechanical	Representative
17.	Mr.G.Prabu ram	AP(SG) / Mechanical	Representative
18.	Mr.R.Arun Kumar	AP(SG) / Mechanical	Representative
19.	Mr.R.Venkatesh	AP / Mechanical	Representative
20.	Mr.M.Ramar	AP / Mechanical	Representative
21.	Mr.S. Kathiravan	AP / Mechanical	Representative

Leave / on duty:

Sl. No.	Name of the Faculty Member	Designation	PAQIC	CL/OD
1.	Mrs.R.Kalaimani	AP/Civil	Member	OD

The agenda of the meeting

1. Review of Previous meeting (5th PA&QIC)
2. New initiatives taken for quality improvement in Teaching and Learning – Outcome perspective
3. Impact analysis and effectiveness for: Quality of internal semester question paper, Assignment, Evaluation, industrial training and feedback format, mentoring system
4. Initiatives for adding Co-curricular and Extra-curricular activities towards CO attainment
5. Proposed methodologies to set target attainment for CO i) Design Domain and ii) Manufacturing Domain R 2021
6. Student's performance in Co-curricular and Extracurricular activities
7. Progress in R&D and institute industry interaction cell progress
8. Conclusion remark of the academic audit
9. Department outreach activities

Dr.V.Sivakumar, ASP/Mech. welcomed all the members of PAQIC and shared the Action Taken Report (5th PAQIC Meeting on 08.07.2022)

Activities/Tasks proposed	Action Taken
Check the Facilitation Value (FV) specified in the Assessment of Question Paper Quality template and gets the feedback from the exam cell in this regard.	• Facilitation value is included in the Form No. AC 14a / Rev.No. 03/ Effective Date: 10.02.20218
Discrimination Index (DI) of the question paper should be removed from the Assessment on Quality of Evaluation	• Discrimination Index (DI) of the question paper was removed from the Assessment on Quality of Evaluation

2/27

Activities/Tasks proposed	Action Taken
Include more responses received from parents' feedback and analysis (get the inferences and take the necessary action) of the same	• Discussed and collected the opinion from the department level Criteria 1 coordinators on 18.01.2023. The analysis and action taken report to be uploaded on website before uploading AQAR 2021-22.
Include the feedback received from the class committee and course committee and any necessary action taken	
Consolidate the list of curriculum gaps identified in the previous semester and ensure that the gap is addressed through appropriate instructional methods either in the same semester or the following semester	• Identified curricular gap is communicated to the AU through domain coordinators and the same is included in the course file. These are verified during the academic audit.
Give a specific certificate for those students who have completed value-added courses	• MEADC2201 Advances in Manufacturing value added course certificate has been designed and submitted for approval. Financial approval received.
Assess the value added course and include CO attainment in the calculations for POs and PSOs.	• Conducted end semester examinations for MEADC2201 Advances in Manufacturing. The CO attainment calculation is to be done. It is to be considered for POs and PSOs attainment calculation.
Ensure that the students are doing internships in the thrust area and enhancing their knowledge level	• Students are motivated to do internship in the thrust/emerging field. It is monitored by the internship coordinator. Mr.Bala Abisek did his 6 weeks internship (August 22 – September 22) at RuTAG IIT Madras
Avoid the usage of "In-plant Training" word in the current practice.	• Usage of "In-plant Training" word in the internship circular is strictly avoided.
Observe and take the necessary action on the feedback collected from the students regarding internship	• Based on the positive feedback received from the previous batch students, the suggestions are given to the current batch students to choose companies. (National Small Industries Corporation)
Sort internships by i) industry, ii) start-ups, and iii) software	• No. of internship done - 42 (Automobile industry – 19, Manufacturing Sector – 23)
Check the attainment value of the course C106 Engineering Graphics and double check all other courses also	• Domain wise faculty members are allocated to check and consolidate the course attainment. Ref.: Department Review Meeting / 2022-23 / Even Semester / 02 / 06.03.2023
Consider for Manufacturing Domain in CO target set: Number of Times Subject handled – 10 % Faculty Experience – 10 % Course Quality – 40 % and Student Quality – 40 %	• Suggestion is considered and available in 6th PAQIC presentation (Agenda 3 & 4)
Consider students' +2 PCM average for first year course outcome attainment calculation and previous semester course performance for higher semester CO attainment calculation	

20/4/23

3/27

Activities/Tasks proposed	Action Taken
Assess the student's participation effectiveness in co-curricular activities through a quiz and consider it for PO attainment (20% of students' participation may be considered for attainment calculation)	
Prepare faculty wise list of participation in ATAL FDP / STTP / Webinar / etc.	• Faculty wise list of participation is prepared and every Friday, Mechanical Department Activities - Student Activities, Faculty Activities, Faculty Awards and Achievements, and Event Organized are shared to the faculty members through mech@ritrjpm.ac.in
Improve the faculty interaction outside RIT	• In this period, 7 faculty members acted as a resource person in 27 events.
Concentrate on the consultancy work	• Concentrating consultancy work in 3D Printing and Stir Casting equipment's
Seek budget requirement from students for developing facilities which will be useful to them while doing projects.	• It is proposed to collect the budget requirement from students for the FY2023-2024.
The proposed value-added course content should be in the AICTE prescribed minor courses	Proposed Value added courses • MVA023 - IoT and Augmented Reality Applications in Mechanical Engineering • MVA027 - Automation Design of Soft Robots are reflected in Model Curriculum for Minor Degree for UG Degree Courses in Engineering & Technology - 2020
Disseminate Vision /Mission / POs / PSOs /PEOs in the extended laboratories.	• Disseminated Vision /Mission / POs / PSOs /PEOs in the Additive Manufacturing laboratories.
Submit the project proposals along with the student community	• Faculty members along with students submitted project proposals under IE(I), TNSCST, and MSME 2.0
Review the progress of UHV/NITTTR course faculty members	• UHV Online FDP – 12 faculty members completed • UHV Refresher 1 FDP – 6 faculty members completed • NITTTR Course Status – 8 Modules completed by Mr.R.Prabhakaran, AP/Mech. & 7 Modlules completed by Mr.R.Venkatesh, AP/Mech. (3 modules result yet to publish)
Include a resource person from industry in Extra Mural Lecture series	• Mr. M. Muneeswaran, Assistant Manager, Business Development from TVS Training & Services, Chennai delivered a lecture on "Centre of Excellence - Electrical Vehicle" 03 Sep., 2022.
Include a resource person from industry in Extra Mural Lecture series	• Organized a lecture meeting on "Career Opportunities in Mechanical Engineering" at Mechanical Seminar Hall on 09 Sep., 2022. Mr. T. Thirumalai Kumar, Manager HR, Flender Drives India Private Limited, Chennai • Guest lecture "Lean in Agriculture

Activities/Tasks proposed	Action Taken
	Technology" on 21 Sep., 2022. Mr. M. Raguramsingh, Head- Process Excellence, Waycool Foods and Products Pvt., Ltd, Chennai • Organized a technology speak on "AI Driven Trends in Health Care" (Speaker: Mr. KrishnaKanth Naik, Senior Escalation Engineer, IBM India Pvt. Limited) on 27 Oct., 2022. • Organized a event on "NexGen 3D printing" on 28 Oct., 2022. A talk on New product Development by Mr. Krishna Rajagopal HTIC

Item 1: New initiatives taken for quality improvement in Teaching and Learning – Outcome perspective & Impact analysis and effectiveness for: Quality of internal semester question paper, Assignment, Evaluation, industrial training and feedback format, mentoring system
Mr.G.Prabu ram, AP(SG)Mech. and Mr.R.Arun Kumar, AP(SG)Mech. were presented Agenda 2 and 3.

- Highlighted the approval received from the Centre for academic courses, Anna University, Chennai to conduct the value added courses in the emerging areas such as i) MVA026 Python for Mechanical Engineering Systems, ii) MVA027 Automation Design of Soft Robots, iii) MVA006 Green Energy Technology and Management, and iv) MVA023 IoT and Augmented Reality Applications in Mechanical Engineering. The academic coordinator thanked all the faculty members involved in the curriculum design and development.
- Emphasized the completion of Advancement Course MEADC2201 Advances in Manufacturing by the fifty third year mechanical engineering students. This course is handled by Prof. L.Vijayaraghavan, Adjunct Professor/Mech. Engg. Number of hours handled: 50 hours (hybrid mode) Outcome/Impact of this course: Students learned the advances in manufacturing and expressed their interest to do capstone project
- Projected the initiatives taken in the analytical subjects such as CE3391 Fluid Mechanics and Machinery & ME8595 Thermal Engineering II. The subject handling faculty members were given the classroom as well as tutorial problems to their students at the beginning of the semester itself. This effort is reflected in the end semester examinations. Before revaluation, the results obtained by these two subjects are 84.38%, and 86.75% respectively. Students feel comfortable to use this study material.
- Discussed the assessment on quality of evaluation, rubrics for answer script evaluation, and inferences on assessment of question paper quality, assignment quality (Project Based Learning – ME8099 Robotics Machine Vision and Robot Programming, Quiz - CE3391 Fluid Mechanics and Machinery) and rubrics introduction for tutorials. Year wise student internship completed details along with CO attainment and mentoring system followed during this period were presented in this Agenda. The students feedback about their internship (questionnaire) has been revised and redesigned based on the POs of the NBA. Totally 50 questions with three point liker scale are used for collecting the response. To capture each PO, the questionnaire will have 3-5 questions. The questions also reflect the CDIO skills to be gained by the students. The student's response will be analyzed and insights will be used for PO attainment calculation.

- The committee members suggested to incorporate the following in the mentoring systems based on the need arise.
    - Introduce the distinguished Alumni as one of the mentor
    - Approach the industry person and introduce them as a mentor for students seeking placement in core/software industries.

Item 2: Initiatives for adding Co-curricular and Extra-curricular activities towards CO attainment & Proposed methodologies to set target attainment for CO i) Design Domain and ii) Manufacturing Domain R 2021

Mr.R.Prabhakaran, AP/Mech. and Mr.S.Maharajan, AP/Mech. were presented Agenda 4 and 5. In this section, existing methodology for course attainment, new approach for target setting mechanism, allocation of weightage, pre requisite for a course, course performance and student quality in previous semester for design and manufacturing domain were discussed.

Existing Methodology for course attainment – Design Domain

Subject – ME8351 Manufacturing Technology I (Regulation 2017)					
Academic Year	**Grade Point Average (GPA)**	**GPA (out of 3 Scale)**	**CO target obtained**	**CO target (3 Scale)**	**Remarks**
2018-2019 (Odd)	5.55	1.66	1.66	1.8	Minimum CO target of 1.8 is fixed if the calculated target value is less than 1.8
2019-2020(Odd)	5.47	1.64	CO Target $= \frac{1.66+1.64}{2} = 1.65$	1.8	
2020-2021(Odd)	7.73	2.32	CO Target $= \frac{1.66+1.64+2.32}{3} = 1.87$	1.8	
2021-2022(Odd)	8.62	2.61	CO Target $= \frac{1.66+1.64+2.32+2.61}{4} =$ 2.05	1.87	
2022-2023(Odd)	-	-	-	2.05	

New Approach for Target Setting Mechanism

S.No.	Parameters	Allocated Weightage (%)
1.	Performance in Prerequisite Course	20
2.	Number of Times Subject handled	5
3.	Faculty Experience	5
4.	Course Performance	50
5.	Student Quality	20

Allocation of weightage

S.No	Parameters	Method 2 Selected	Criteria Followed
1.	Performance in Prerequisite Course, If any	20%	Considering the Grade Point Average (GPA) of Prerequisite Course Semester Result of the same batch students **(Average GPA of prerequisite courses will be converted into 3 scale)**

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S.No	Parameters	Method 2 Selected	Criteria Followed
2.	Number of Times Subject handled	5%	Less than 2 times handled – 50% weightage **(1.5)** Equal to 2 times – 75% weightage **(2.25)** Equal to 3 and above 3 times handled – 100% weightage **(3)**
3.	Faculty Experience	5%	Less than 3 years experience - 50% weightage **(1.5)** Equal to and greater than 3 and less than 5 Years - 75% weightage **(2.25)** Equal to and grater than 5 Years - 100% weightage **(3)**
4.	Course Performance in Last four semester	50%	Average of Previous four semesters result (GPA) and convert into 3 point scale. **(In case, Very New Subject – 4th parameter can not be considered)**
5.	Student Quality	20%	Average Pass Percentage of previous two semesters results (Convert into 3 Point scale)

ME3351 – Engineering Mechanics – Regulation 2021
2022-23 (Odd) (III semester) Subject Faculty: Mr.C.Gururaj

S.No.	Parameters	Allocation	Criteria Followed	CO Target obtained for each parameter
1.	Performance in Prerequisite Course, If any	20%	I Sem – MA3151 Matrices and Calculus – GPA – 4.84 I Sem – PH3151 Engineering Physics – GPA – 4.84 II Sem – MA3251 Statistics and Numerical Methods – GPA – 4.75 Convert into 3 Scale – ((((4.84+4.84+4.75)/3)/10)*3) = 1.443	1.443×0.2=.288
2.	Number of Times Subject handled	5%	Less than 2 times handled – 50% weightage (1.5) Equal to 2 times – 75% weightage (2.25) Equal to 3 and above 3 times handled – 100% weightage (3)	**1.5×0.05=0.075**
3.	Faculty Experience	5%	Less than 3 years experience - 50% weightage (1.5) Equal to and greater than 3 and less than 5 Years - 75% weightage (2.25) Equal to and grater than 5 Years - 100% weightage (3)	**3×0.05=0.15**
4.	Course Performance in Last four semester	50%	Average of the previous four semester results of the same course ME3351 – Engineering Mechanics (5.512+3.365+(70% of (7.56+7.24)) = 4.685 Convert into 3 Scale – 1.405	**1.405×0.5=0.703**
5.	Student Quality in Last Two semester	20%	Overall pass percentage of past two semesters results (In case III semester subjects, consider student's performance of II and I semester) Average overall pass percentage = (64.29% &	**1.98×0.2=.396**

S.No.	Parameters	Allocation	Criteria Followed	CO Target obtained for each parameter
			67.86%)) Converted into 3 point scale = (1.98)	
				CO Target **1.612**

ME3351 – Engineering Mechanics – Regulation 2021
2022-23 (Odd) (III sem.) – Prerequisite Course

Details	Pre requisite Course	Allocated Weightage (%)
Regulation 2021 Semester I & II ((2021-22 (ODD & Even))	Students Performance: I Sem – MA3151 Matrices and Calculus – GPA – 4.84 I Sem – PH3151 Engineering Physics – GPA – 4.84 II Sem – MA3251 Statistics and Numerical Methods – GPA – 4.75 Convert into 3 Scale – ((((4.84+4.84+4.75)/3)/10)*3) = 1.443	20% Calculation: 1.443×0.2= **0.288**

ME3351 – Engineering Mechanics (2022-23 ODD) – Course Performance in the previous semesters

Details	Course Performance			Allocated Weightage (%)
Previous Semester results of the same course: Semester III ME3351 – Engineering Mechanics	2017-2018 (EVEN)	5.512	5.512	50% Calculation: **Average of GPA 4.686** **3 Scale Value = 1.4057** **1.4057×0.5 = 0.703**
	2018-2019 (EVEN)	3.365	3.365	
	2019-2020 (EVEN) (Covid)	7.56	70% of GPA Average Results 70 % of (7.56+7.24)/2 =5.18	
	2020-2021 (EVEN) (Covid)	7.24		

ME3351 – Engineering Mechanics (2022-23 Odd) – Students Quality –previous Semester Performance

Details	Class Performance		Allocated Weightage (%)
Previous Semesters results of the Students Performance:	2021-2022 (odd)	64.29%	20% Calculation: **Average I year Performance = 66.07** **3 Scale Value = 1.98** **1.98×0.2 = 0.396**
	2021-2022 (Even)	67.86%	

ME8593 – Design of Machine Elements – Regulation 2017 - 2022-23 (Odd) (V Sem.)
Subject Faculty: Mr.R.Prabhakaran

S.No	Parameters	Allocation	Criteria Followed	CO Target obtained for each parameter
1.	Performance in Prerequisite Course, If any	20%	IV Sem - CE8395 – Strength of Materials for Mechanical Engineers – GPA – 4.05 II Semester – GE8292 – Engineering Mechanics– GPA – 70% od 8.85 Convert into 3 Scale – ((((4.05+6.195)/2)/10)*3) = 1.536	**1.536×0.2=.307**

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S.No	Parameters	Allocation	Criteria Followed	CO Target obtained for each parameter
2.	Number of Times Subject handled	5%	Less than 2 times handled – 50% weightage (1.5) Equal to 2 times – 75% weightage (2.25) Equal to 3 and above 3 times handled – 100% weightage (3)	**3×0.05=0.15**
3.	Faculty Experience	5%	Less than 3 years experience - 50% weightage (1.5) Equal to and greater than 3 and less than 5 Years - 75% weightage (2.25) Equal to and grater than 5 Years - 100% weightage (3)	**3×0.05=0.15**
4.	Course Performance in Last four semester	50%	Average of the previous four semester results of the same course ME8593 – Design of Machine Elements (4.265+5.565+5.78+(70% of 8.83) = Convert into 3 Scale – 1.634	**1.634×0.5=0.817**
5.	Student Quality in Last Two semester	20%	Overall pass percentage of past two semesters results (In case V semester subjects, consider student's performance of IV and III semester) Average overall pass percentage = (50% & (70% of 100%)) Converted into 3 point scale = (1.8)	1.8×0.2=.36
			CO Target	**1.784**

Proposed Methodologies to set target for CO attainment – Manufacturing Domain

Existing Methodology for course attainment

Subject – ME8351 Manufacturing Technology I (Regulation 2017)					
Academic Year	**Grade Point Average (GPA)**	**GPA (out of 3 Scale)**	**CO target obtained**	**CO target (3 Scale)**	**Remarks**
2018-2019 (Odd)	5.55	1.66	1.66	1.8	Minimum CO target of 1.8 is fixed if the calculated target value is less than 1.8
2019-2020(Odd)	5.47	1.64	CO Target $= \frac{1.66+1.64}{2} = 1.65$	1.8	
2020-2021(Odd)	7.73	2.32	CO Target $= \frac{1.66+1.64+2.32}{3} =$ 1.87	1.8	
2021-2022(Odd)	8.62	2.61	CO Target $= \frac{1.66+1.64+2.32+2.61}{4} =$ 2.05	1.87	
2022-2023(Odd)	-	-	-	2.05	

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New Approach for Target Setting Mechanism – Manufacturing Domain

S.No.	Parameters	Allocated Weightage (%)
1.	Performance in Prerequisite Course	20
2.	Number of Times Subject handled	5
3.	Faculty Experience	5
4.	Course Performance	50
5.	Student Quality	20

Allocation of weightage

S.No.	Parameters	Allocation of Weightage	Criteria Followed
1.	Performance in Prerequisite Course, If any	20%	Considering the Grade Point Average (GPA) of Prerequisite Course Semester Result of the same batch students **(Average GPA of prerequisite courses will be converted into 3 scale)**
2.	Number of Times Subject handled	5%	Less than 2 times handled – 50% weightage **(1.5)** Equal to 2 times –75% weightage **(2.25)** Equal to 3 and above 3 times handled – 100% weightage **(3)**
3.	Faculty Experience	5%	Less than 3 years experience – 50% weightage **(1.5)** Equal to and greater than 3 and less than 5 Years – 75% weightage **(2.25)** Equal to and grater than 5 Years - 100% weightage **(3)**
4.	Course Performance in previous semester	50%	Average of Previous four semesters result (GPA) and convert into 3 point scale. **(In case, Very New Subject – 4th parameter can not be considered)**
5.	Student Quality	20%	Average Pass Percentage of previous two semesters results (Convert into 3 Point scale)

ME3393 Manufacturing Processes – Regulation 2021- 2022-23 (Odd))

Subject Faculty: Mr.S.Maharajan

S.No	Parameters	Allocation of Weightage	Criteria Followed	CO Target obtained for each parameter
1.	Performance in Prerequisite Course, If any	20%	**II Semester – PH3251 Material Science – Grade Point Average (GPA) – 6.11 Convert into 3 Scale – 1.83**	**1.83×0.2=0.37**
2.	Number of Times Subject handled	5%	Less than 2 times handled – 50% weightage **(1.5)** Equal to 2 times – 75% weightage **(2.25)** Equal to 3 and above 3 times handled – 100% weightage **(3)**	**3×0.05=0.15**

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S.No	Parameters	Allocation of Weightage	Criteria Followed	CO Target obtained for each parameter
3.	Faculty Experience	5%	Less than 3 years experience – 50% weightage **(1.5)** Equal to and greater than 3 and less than 5 Years – 75% weightage **(2.25)** Equal to and grater than 5 Years - 100% weightage **(3)**	**3×0.05=0.15**
4.	Course Performance in Last four semester	50%	Average of the previous four semester results of the same course ME8351 Manufacturing Technology I **(5.55+5.47+ (70% of (7.73+8.62)/2) = 5.58** **Convert into 3 Scale – 1.67**	**1.67×0.5=0.83**
5.	Student Quality	20%	Overall pass percentage of previous two semesters results Average overall pass percentage = (64.29% + 67.86%) /2 = 66.07% Converted into 3 point scale **(1.98)**	**1.98×0.2=0.40**
			CO Target	**1.90**

ME8097 – Non Destructive Testing and Evaluation – Regulation 2017 - 2022-23 (Odd))

Subject Faculty: Mr.S.Maharajan

S.No	Parameters	Allocation	Criteria Followed	CO Target obtained for each parameter
1.	Performance in Prerequisite Course, If any	20%	**ME8351 Manufacturing Technology I – GPA – 5.4** **PR8592 Welding Technology – GPA – 6.8** **Convert into 3 Scale – 1.83**	**1.83×0.2=0.37**
2.	Number of Times Subject handled	5%	Less than 2 times handled – 50% weightage **(1.5)** Equal to 2 times – 75% weightage **(2.25)** Equal to 3 and above 3 times handled – 100% weightage **(3)**	**3×0.05=0.15**
3.	Faculty Experience	5%	Less than 3 years experience – 50% weightage **(1.5)** Equal to and greater than 3 and less than 5 Years – 75% weightage **(2.25)** Equal to and grater than 5 Years - 100% weightage **(3)**	**3×0.05=0.15**
4.	Course Performance in Last four semester	50%	Average of the previous four semester results of the same course **ME8097 Non Destructive Testing and Evaluation** **(5.65+5.47+ (70% of (8.94+8.75)/2) = 5.77** **Convert into 3 Scale (1.73)**	**1.73×0.5=0.86**

S.No	Parameters	Allocation	Criteria Followed	CO Target obtained for each parameter
5.	Student Quality	20%	Overall pass percentage of previous two semesters results Average overall pass percentage = (59.46%) Converted into 3 point scale **(1.78)**	**1.78×0.2=0.36**
			CO Target	**1.89**

ME3393 Manufacturing Processes (2022-23 Odd) – Prerequisite Course

Details	Pre requisite Course	Allocated Weightage (%)
Regulation 2021 Semester II ((2021-22 (Even))	**Students Performance:** **PH3251 Material Science –** **Grade Point Average (GPA) – 6.11** **Convert into 3 Scale – 1.83**	20% Calculation: 1.83×0.2= **0.37** **Return to main**

ME3393 Manufacturing Processes (2022-23 Odd) – Course Performance in previous semesters

Details	Course Performance			Allocated Weightage (%)
Previous Semester results of the same course: Semester III ME8351 Manufacturing Technology I	2018-2019 (Odd)	5.55	5.55	50% Calculation: **Average of GPA** **5.58** **3 Scale Value = 1.67** **1.67×0.5 = 0.83**
	2019-2020 (Odd)	5.47	5.47	
	2020-2021 (Odd) (Covid)	7.73	70% of GPA Average Results 70 % of (7.73+8.62)/2 =5.72	
	2021-2022 (Odd) (Covid)	8.62		

ME3393 Manufacturing Processes (2022-23 Odd) – Students Quality – previous Semester Performance

Details	Class Performance		Allocated Weightage (%)
Previous Semesters results of the Students Performance:	2021-2022 (Odd)	64.29%	20% Calculation: **Average I year Performance = 66.07** **3 Scale Value = 1.98** **1.98×0.2 = 0.40**
	2021-2022 (Even)	67.86%	

ME8097 NDT (2022-23 Odd) VII Sem– Prerequisite Course

Details	Pre requisite Course	GPA	Allocated Weightage (%)
2020-21 (Odd) III Semester (Covid)	ME8351 Manufacturing Technology I	7.73 (70% of GPA) 5.4	20% **1.83×0.2 = 0.37**
2021-22 (Even) VI Semester	PR8592 Welding Technology	6.8	
	Average GPA	**Average GPA - 6.1** **3 Scale value =1.83**	

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ME8097 NDT (2022-23 Odd) – Course Performance in last four semester

Details	Course Performance			Allocated Weightage (%)
Previous Semester results of the same course: ME8097 NTD	2018-2019 (Even) 2013 Regulation NDT	5.65	5.65	50% Calculation: **Average of GPA** **5.77** **3 Scale Value = 1.73** **1.73×0.5 = 0.86**
	2019-2020 (Odd) 2017 Regulation	5.47	5.47	
	2020-2021 (Odd) (Covid)	8.75	70% of GPA Average Results 70 % of (8.75+8.94)/2 = 6.19	
	2021-2022 (Odd) (Covid)	8.94		

ME8097 NDT (2022-23 Odd) – Students Quality – Last Two Semester Performance

Details	Class Performance		Allocated Weightage (%)
Previous Semesters results of the Students Performance:	2021-2022 (odd)	Pass Percentage 100% (COVID) Consider 70% Pass Percentage	20% Calculation: **Average last two semester Performance= 59.46** **3 Scale Value = 1.78** **1.78×0.2 = 0.36**
	2021-2022 (Even)	Pass Percentage 48.92%	

Initiatives for adding Co-Curricular and Extra-Curricular Activities towards PO attainment

a. Assessment methods proposed for the forthcoming academic year.

Direct	Indirect (30%)
Attainment through courses – 60% Co-curricular & Extra-curricular* – 10%	Exit Survey Program Exit Survey (10%) Alumni Exit Survey (10%) Employer Survey (10%)

*For Co-curricular activities, student's attainment will be measured based on assessment & for extra-curricular activities, students attainment will be measured based on participation (70% of the batch).

Approach for Weightage Calculations (Maximum Weightage - 10% of weightage)

S.No.	Parameters	Allocated Weightage (%)
1.	Other State Participation - Min 1 Certificate	10%
2.	International/National Level Conference Participation - Min 1 Certificate	10%
3.	Within State Participation - Min 1 Certificate (Internal)	5%
4.	Within State Participation - Min 1 Certificate (External)	5%
5.	Internship/Industrial Training	5%

II Year – 21-25 Batch Students participation Statistics

Students Count - 64

Other State Participation	Within State Participation (Inside RIT)	Within State Participation (Outside RIT)	Online Course	Internship Training	Extra Curricular Activities
7	32	24	3	10	25

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No. of Students at least attended any of the above programmes - 48 - (48/64) – 75%
No. of Students not attended any of the above programme – 16 – (16/64) – 25%
No. of students have attained (10% weightage) – 21 – 21/64 – 32.8%
No. of students have attained (5% weightage) – 27 – 27/64 – 27/64 – 42.15%

6. Student's performance in Co-curricular and Extracurricular activities

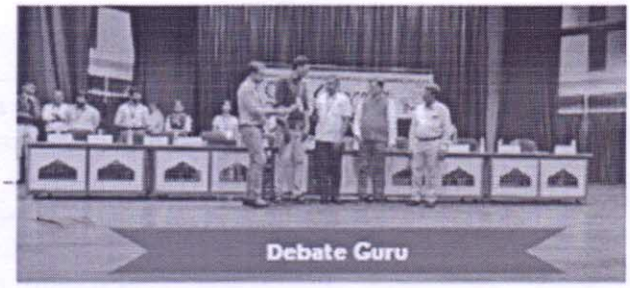
Mr.S.Valai Ganesh AP(SG)/Mech. presented the student participation and achievements during this period.

Outside TN Participations

- C. Mari Selvam, A. Gokul Ramanan, R. Venkadesh, S. Pradeep Durai, III Mech completed "Delivery Bike" in e-Yantra Robotics Competition organised by the IIT Bombay during 01 Oct., -13 Oct., 2022.
- R. Dinesh, Soumya Souvik Khuntia, R. Shyam Sundar, S. Jehaveerapandian, IV Mech completed "Pharma Bot" in e-Yantra Robotics Competition organised by the IIT Bombay during 01 Oct., -13 Oct., 2022.
- B. Kalirajakumar, III Mech participated in the "Diwali Fun - Poster Making Competition" organised by Daulat Ram College DRC, Delhi University DU, Delhi on 06 Nov., 2022.
- P. R. Vijay Jaganath, IV Mech attended "PLASTINDIA 2023" - The 11th International Plastics exhibition organized in pragati maidan, Delhi during 02-05 Feb., 2023.
- M. Prabhu Kumar, M. Karthikeyan, II Mech attended a webinar on "Chat GPT for coding" organised by JIS College of Engineering, West Bengal on 15 Feb., 2023.

Student Achievements

- M. Subbiah @ Selvam, R. Ganesh Kumar and R. Harish Krishnan, II Mech won "II Prize in Collage Competition" organised by Elite English Learners' Club, Ramco Institute of Technology, Rajapalayam on 02 Sep., 2022.



Debate Guru

- Parthiban, III Mech won **III Prize in "Debate Guru"** event of Legacy'22 an intercollegiate cultural fest organized by Mepco Schlenk Engineering College, Sivakasi during 16-17 Sep., 2022.
- P. R. Vijay Jaganath, IV Mech cleared "German Goethe - Zertifikat A1 : Start Deutsch 1" and scored 82 out of 100 on 18 Sep., 2022.



Declamation event

- Parthiban, III Mech received **"Second Prize in the Declamation event**- District Level Yuva Utsav 2022" Competition held at VHNSN College, Virudhunagar on 08 October 2022
- R. Bharanidharan, K. Bharath, IV Mech received II Prize in "Mech Tech Talk event" at GenNext 2022- A National Level Technical Symposium organised by Velammal College of Engineering and Technology, Madurai on 14 Oct., 2022.
- R. Thiyanesh Sakthi, III Mech won first prize, S. Devaguru, III Mech won second prize in "New product NEXGEN Hackathon event" organised by the IIT PALS on 28 Oct., 2022.

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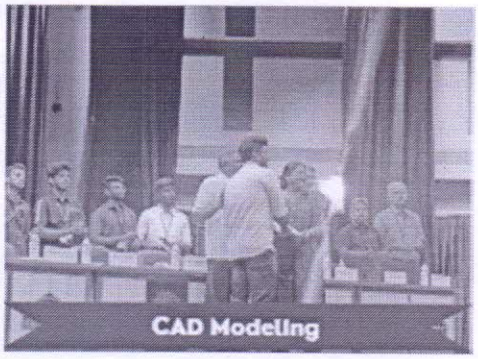
- J. Gowtham, II Mech secured 3rd place in the "Song competition" organized by Systematic Voters Education and Electoral Participation, Election Commission of India on 16 Nov., 2022.
- P. Anandhan, V. Surya Kumar, F. Mohammed Arsath, II Mech submitted the idea for "Mechanical Palmyra tree climbing device" in Tamilnadu Agri Hackathon 2022 on 25 Nov., 2022.
- R. Dinesh, R. Shyam Sundar, IV Mech Secured 2nd Runner Up in "Autodesk Fusion 360 Challenge-Level 1" organised by the Anna University in association with Naan Mudhalvan Scheme on 05 Jan., 2023. Mr. S. Valai Ganesh, AP/Mech is the mentor for this team.
- Parthiban, III Mech awarded as "Mr. RYLA" in Rotary Youth Leadership Awards Camp held at JIJI's Castle, Courtallam during 06-08 Jan., 2023.


CAD Modeling

- R. Thiyanesh Sakthi, **III Mech secured First Prize in "CAD Modeling"**, Second Prize in "Paper Presentation" and First Prize in "Measure Hunt" events conducted by Mepco Schlenk Engineering College, Sivakasi during 17-18 Feb., 2023.
- Parthiban, III Mech won First Prize in "Paper Presentation" in ALTANZIA 2K23 Organised by National Engineering College, Kovilpatti during 03-04 Mar., 2023.
- S. Jehaveerapandian, Sowmya Souvik Khuntia received a grant of Rs.6,500/- from Tamil Nadu State Council for Science and Technology under Student Project Scheme on 03 Mar., 2023.

Student Participations- Extra- Curricular


Kabaddi


Basketball


Badminton

- V. Garnel Marx, III Mech participated in the "Zonal Kabaddi Match" at Dr Sivanthi Aditanar College of Engineering on 04 Nov., 2022.
- J. Gowtham, K. Karthick, R. Ramshankar, II Mech won "Runnerup in Anna University Zone - 18 Badminton men's tournament" held at Mepco Schlenk Engineering College, Sivakasi on 06 Nov., 2022.
- D. Anithrajaseelan, IV Mech, S. K. Yuvaraj, A. Parthiban, P. Abinesh, M. Sakthi Jeya Chandran, S. Devaguru III Mech, V. Palpandian, V. Harishh II Mech participated in "Anna University Zone - 18

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Basketball men's tournament" held at National Engineering College, Kovilpatti during Co- curricular and Extra-Curricular Activities 12-13 Nov., 2022.



Cricket



Badminton

- S. Rahul, B. Ramkumar, B. Karthik Mahadev, V. P. Hari Haran, IV Mech, S. P. Cheran, A. Gokul Ramanan, Maruthupandi Mathavan, III Mech, participated in "Anna University Zone - 18 Football men's tournament" held at Dr Sivanthi Aditanar College of Engineering, Tiruchendur during 19-20 Nov., 2022.
- D. Anithrajaseelan, K. Rajasokanthan, M. Gowtham, K.Arul Prakash, IV Mech, S. Yuvaraj, S. Bala Chandru, III Mech, V. Palpandian, II Mech secured 4th place in "Anna University Zone - 18 Cricket men's tournament" held at Thamirabharani Engineering College, Tirunelveli during 26-28 Nov., 2022.
- V. Prakashraj, D. Gopinath, III Mech, P. Sivaprakash, II Mech participated in "Anna University Zone - 18 Hockey men's tournament" held at PSN Engineering College, Tirunelveli Co-curricular and Extra-Curricular Activities on 26 Nov., 2022.
- S. P. Cheran, S. Balachandru, A. Gokul Ramanan, M. S. Krishna kumar, M.Visva, A.C. Bharath, III MECH won runner-up award in "ISHRAE PREMIER LEAGUE" organised by ISHRAE - Madurai Chapter in Madura College Cricket Club Madurai on 28 Jan., 2023.
- D. Anith Rajaseelan, K. Arul Prakash, M. Gowtham, IV Mech, S.Balachandru, S. K. Yuvaraj, M. S. Krishnakumar, III Mech, V. Palpandian, II Mech participated in "CM Trophy- Cricket Match" conducted at Vellaichamy Nadar Polytechnic College, Virudhunagar on 21 Feb., 2023.
- J. Gowtham, K. Karthick, R. Ramshankar, II Mech participated in "CM Trophy- Badminton Match" conducted at Vellaichamy Nadar Polytechnic College, Virudhunagar on 21 Feb., 2023.
- K. Pavan Shankar, K.Karthick, R. Ram Shankar, R. Muthu Kumar, M.Karthikeyan, R. Madhavan, A. Santhosh Kumar, F. Mohamed Arsath, R. Harish Krishnan, J. Gowtham, M. Aathithyan, N. Kiruthick, K. Varun, R. Krishna, R. K. Ramnath Sarguru, R. Ramji, N. Ramji, S.Jawahar Ganesan, R. Sabarai Ravinthar, S. Sankar Ganesh, R. S. Bhuvanesh, M. Santhosh Kumar, M. Subbiah@Selvam, S. Sibi Rakesh, M. Surya Prakash, V. Palpandian, II Mech participated in "Voluntary blood donation" in service to suffering patients organized by Tamil Nadu State Aids Control Society and Tamil Nadu State Blood Transfusion Council on 21 Nov., 2022.

7. Progress in R&D and institute industry interaction cell progress

Mr.J.Jerold John Britto, AP(SG)/Mech. listed out the progress in R&D

Department of Mechanical Engineering has been recognized as a research centre with effect from 21.12.2022 for a period of three years upto December 2025 as per common renewal session based on the online inspection conducted on 01.11.2022 at 01.30 PM. Research centre recognition number: 4467817 (Ref.: Lr.No. 4678/IR/Mechanical/AR2 dated 21.12.2022)

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S.No.	Supervisor Name	Recognition No.	Area of Specialization
1.	Dr. S.Rajakarunakaran	2420336	Industrial Safety Engineering, Industrial Engineering and Manufacturing Engineering
2.	Dr. P. Sureshkumar	3520021	Metallurgy, Design, Manufacturing process, Mathematical Modelling on Material processing, Severe Plastic Deformation, Composite Materials, High Entropy Alloy, Materials and Design
3.	Dr. V. Sivakumar	3020015	Thermal Energy, Solar Desalination, Renewable Energy, Internal Combustion Engineering, Heat Pipes

Publication Credentials during this period

Journal publication – 24, Scopus indexed conference – 5, and Book Chapters – 5

The list of publications during the academic year wise is disseminated to all the stack holders through web link: https://www.ritrjpm.ac.in/images/NAAC%20DVV/AQAR_2021-22/3.3.1-Journal_Publication.pdf

Listed out the impact factor of the journals.

Sl. No.	Journal Name	SCI and IF
1.	Applied Soft Computing	8.263
2.	Solar Energy Materials and Solar Cells	7.305
3.	International Journal of Hydrogen Energy	7.139
4.	Journal of Materials Research and Technology	6.267
5.	Environmental Science and Pollution Research	5.19
6.	Bioinorganic Chemistry and Applications	4.724
7.	Vacuum	4.11
8.	Materials	3.748
9.	Materials Letters	3.574
10.	Environmental Progress and Sustainable Energy	2.824
11.	Knowledge and Information Systems	2.531
12.	Computing	2.42
13.	International Journal of Applied Ceramic Technology	2.328
14.	Surface Topography: Metrology and Properties	2.185
15.	Advances in Materials Science and Engineering	2.098
16.	Materials Research Express	2.025
17.	Iranian Journal of Science and Technology - Transactions of Electrical Engg.	1.89
18.	Materials Research	1.511
19.	Information Technology and Control	0.813

IPR Generations

Patent Filed- 04, FER Received- 03, and Copyright registered – 01

The patent registration and copyright particulars are periodically updated in the institute website https://www.ritrjpm.ac.in/research/patents.php

Funded Projects Granted during this period

Name of the Project/ Endowments, Chairs	Name of the Principal Investigator/Co-investigator	Year of Award	Amount Sanctioned (Rs.)	Duration of the project	Name of the Funding Agency	Remarks
Experimental Evaluation of Mixed Mode Fracture Toughness of Aluminium Metal Matrix Composites and Validation Through Mathematical Modelling	Dr.S.Rajakarunakaran and Mr.C.Gururaj	2021-2022	31,970	1 Year	IEI	Fund received on April 2022
Trashbot filling alert System for smart cities	Mr.T.Selvasundar	2022-23	6500	6 Months	TNSCST	-
Smart Stick for Blind-Deaf People	Mr.M.Ramar	2022-23	7500	6 Months	TNSCST	-
Tree Measurement using LIDAR with Bullt-in Navigation System	Mr.S.Valai Ganesh	2022-23	7500	6 Months	TNSCST	
Portable Rotary Fluidized bed Heat Pump Dryer for Herbal Leaves	Mr. Ashokkumar Mariarathinam	2021-22	1500000	1 year	MSME	-
Multipurpose Wheel chair	Mr. Pavithran P	2021-22	182800	1 year	MSME	-
MUSA-Holder (To protect Banana Trees from heavy winds)	Mr. SanthanaMaruthu Pandian Maruthappan	2021-22	1287500	1 year	MSME	-

Funded Project Proposal Submission Details

1. Dr.S.Rajakarunakaran (PI), Mr.J.Jerold John Britto, (Co-PI), Mr.R.Prabhakaran, Mr.R.Venkatesh, Titled on "**Development of a Customized AI based FDM device with diagnostic provision for experimental studies of polymer composites for prosthetic applications with specific reference to the knee joint**" **DST-Device Development Program**, Submitted on 15.01.2022, Amount **Rs.29,01,550**.

2. Dr.J.Jabinth (PI), Dr.V.Sivakumar (Co-PI), Dr.O.Senthil Kumar (Co-PI), Dr.P.Thiruramanathan (Co-PI), submitted project proposal titled as "**Recirculation of the effluent from the textile industry using photocatalytic degradation treatment to achieve zero discharge in textile mill**", to **Optimal Water Use in Industrial Sector** - 2021 - Research Stream - Establishment of Proof of Concept (POC)

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- Technology Mission Division (Energy, Water & Others) – Department of Science and Technology (DST) on 29.01.2022. Amount **Rs.26,26,000.**

3. Dr.M.Kaliappan, (PI), Dr.S.Vimal, (CO-PI) , Dr.P.Suresh kumar, (CO-PI), Dr.B.Stalin(CO-PI),Mech, Anna University,Madurai, Titled on "**Artificial Intelligence Based Baby Behavior Detection Device**", **DST-Device Development Program**, Submitted on 14.01.2022, Amount **Rs. 81,96,000.**

4. Dr.S.Rajakarunakaran, Prof.and Head/Mech. submitted a project proposal titled as "**Performance Study on Single/Multi-Layer Coated Slotting Machine Tool Inserts Under Cryogenic Treatment for Chain Making Machine**" under the **SERB Core Research Grant** CRG/2022/007152/ (PAC Mechanical Manufacturing Engineering & Robotics) 1st may, 2022 & Cost: **27,10,400.00**

5. Dr.P.Sureshkumar, ASP/Mech, submitted a project proposal titled as "**Design and Development of Process and Material Parameter Prediction Through Intelligent Process Automation**" under the **SERB Core Research Grant** CRG/2022/004933 (PAC Mechanical Manufacturing Engineering & Robotics)

6. Dr.V.Sivakumar, ASP/Mech. submitted a project proposal titled as "**Enhancing the Functional Performance of Capacitive Deionization Units for Rural Society**" under the **SERB Core Research Grant** CRG/2022/004932 (PAC Mechanical Manufacturing Engineering & Robotics)

7. Dr.S.Godwin Barnabas, ASP/Mech. submitted a project proposal titled as "**Manufacturing of eco-friendly bumper plates from waste tyre: Techno economic feasibility study**" under the **SERB Core Research Grant** CRG/2022/008316 (PAC Mechanical Manufacturing Engineering & Robotics)

8. Dr.J.Jabinth, AP/Mech., "**Development of high strength copper hybrid metal matrix composite for wear resistant applications**" under the **SERB Core Research Grant** CRG/2022/007112 (PAC Mechanical Manufacturing Engineering & Robotics)

9. Dr.S.Rajakarunakaran, Prof.and Head/Mech. submitted a project proposal titled as "**Analysis of mechanical properties of the fabricated rubber sheet from waste tyre using Artificial Neural Network model (ANN)**" under **MATRICS** ,File Number : MTR/2022/001014

10. Dr. P.Sureshkumar, Associate Professor, Mechanical (PI) and Dr. M. Lakshmanan, Assistant Professor (SG), Mechanical (Co-PI) submitted a project proposal titled as "**Designing a workflow, performing simulations, and predicting material properties by Intelligent Process Automation**, under **SERB-SURE** File No : SUR/2022/001912, Submitted on 19.09.2022, Amount **Rs. 28,27,400.**

11. Dr. P.Sureshkumar, Associate Professor, Mechanical (PI), Dr. T Manimaran, Associate Professor, Mathematics (Co-PI), Dr. P Thiruramanathan, Assistant Professor, Physics (Co-PI), Dr. E Thangam, Assistant Professor, EEE (Co-PI), and Dr. A Azhagu Jaisudhan Pazhani, Associate Professor, ECE (Co-PI) submitted a project proposal titled as "**Establishment of Community Resilience Resource Centre CRRC in Rajapalayam Block, Virudhungar District, Tamil Nadu State**" under **DST - SEED Division** File No : TPN / 85908 Submitted on 07.10.2022, **Amount Rs. 28,27,400**

Institute industry interaction cell progress

Mr.M.Ashok Kumar, AP(SG)/Mech. detailed the progress of IIIC.

Activity	Outcome
Students Internship	40 students from 2nd and 3rd year completed one week internship program – all other students will complete in this even semester. ANITH RAJASEELAN D from final year – Innowell - Intern with placement RAHUL S, MURALI KRISHNAN A, KIRUBAKARAN M from final year – Intern with project.

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Activity	Outcome
Medsby Innovation Centre	Three Day workshop conducted for II & III year RIT students from 06.10.2022 to 08.10.2022. Students Participated in RIT_IITM-PALS New Product Development Hackathon-2022 out of 100 teams our students won first prize in the title of **Bicycle using Drive Shaft** and Second Prize in the title of **Bicycle using Kinematic Linkages**. Presented a paper in NIT- Trichy in the month of August 2022. Published Four Scopus Indexed Journals.
Events organized	10 Events organized
Guest lecture delivered to Industrial persons	Mr. S. Maharajan, AP/Mech, handled the "first phase of the CNC Training programme for the employees" of Mando Automotive Private Limited, Sriperumbudur, Chennai during 26-28 Sep., 2022.
Faculty Industrial visit	Ashok Kumar M, Gururaj C and Maharajan S attended ToT programme from 02.01.2023 to 13.01.2023 organized by NIWI.

INTERNSHIP CONSOLIDATION DETAILS (01.06.2022- As on date)

Sl. No	Name of the Industry / Training Institute	Year	Duration	Name of the Student
1.	Sri Ram Karthic Polymers Pvt. Ltd.	III	01.08.2022 to 07.08.2022	Manoj Kumar A Mathan J
2.	TVS – Balasanka Motor Pvt. Ltd	II & III	01.08.2022 to 09.08.2022	V.Muneeswaran N.Ramesh Raja Keerthivasan M L Lokesh Kumar A
3.	Rajapalayam Mills Ltd	III	01.08.2022 to 09.08.2022	Gopi Krishnan M Guru Sathiesh Kumar S
4.	Sri Jayajothi Mills, Rajapalayam	III	01.08.2022 to 09.08.2022	Gopinath R and Vigneshwaran A (II Mech)
5.	JSW STEELS	II & III	01.08.2022 to 10.08.2022.	Cheran S P Karan S Sakthi Jeyachandran M Abdul Azeez S M Ahamed Sathik Ussain M Chandra Prakash G Krishna V and Vignesh S
6.	Wind Craft Energy Services, Aralvaimozhi	II	28.07.2022 to 06.08.2022.	N.Sree Vignesh
7.	Pantech Learning, Chennai	II & III	28.07.2022 to 08.08.2022.	Balachandru S , Karthik R , Mohan Raj D and Vishwa M (II Mech)

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Sl. No	Name of the Industry / Training Institute	Year	Duration	Name of the Student
8.	Seven Star Aircon Ancillaries Private Limited	III	26.07.2022 to 09.08.2022	V.Krishna
9.	Ashok Leyland KSR, Rajapalayam	III	25.07.2022 to 08.08.2022	Mithran R S and Muneeswaran
10.	BSNL, Nagercoil	III	01.08.2022 to 07.08.2022	Pradeep Durai S and Venkadesh
11.	Index Control Pvt Ltd, Alangulam	III	26.07.2022 to 07.08.2022	Bharath A C , Gokul Ramanan A , Cheran S P Yuvaraj S
12.	Kalinga Stones Pvt. Ltd, Dadra and Nagar Haveli and Daman and Diu	III	26.07.2022 to 06.08.2022	Gopinath D , Rohit R, Brahan Madhava Swaminath V Parthiban A
13.	Vijay Automobiles - Hero Motor Corp,	III	01.08.2022 to 10.08.2022.	V.Prakash Raj
14.	IIT MADARS - RUTAG	III	August 3rd 2022 8th August 2022	M Bala Abshiek
15.	Salesforce Virtual Internship	III	August 10th 2022 to 15th August 2022	Ramkumar B
16.	3D Printing on drones, at Amrita Vishwa Vidyapeetham.	IV	17.08.2022 to 30.08.2022	Syedthowfeek S Kabil Bharathram S Dev Prasath S S

Student's Industrial visit and participation

- 20 ISHRAE Student Members attended a Technical Talk on the topic "Indian Air Conditioning Industry - A Perspective" organised by RIT ISHRAE Chapter on 17 Sep., 2022.
- R. Muthukumar, II Mech attended the webinar on "**Desiccant based dehumidification and cooling system**" organised by ISHRAE Madurai Chapter on 01 Oct., 2022.
- C. Mari Selvam, III Mech attended a webinar on "**All about Refrigerators**" organized by ISHRAE Madurai Chapter on 25 Jan., 2023.
- C. Mari Selvam, III Mech attended a webinar on "**Aircraft Air-conditioning**" organized by ISHRAE Madurai Chapter on 29 Jan., 2023.
- C. Mari Selvam, III Mech attended a webinar on "**Understanding HVAC Design from Service Perspective**" organized by ISHRAE Madurai Chapter on 09 Feb., 2023.

STUDENT PARTICIPATION-IV/INTERNSHIP

- Soumya Souvik Khuntia, S. Jehaveerapandiyan, A. Muralikrishnan, IV Mech completed "**2nd 5S Auditing**" at Gowri Metal House, Rajapalayam on 29 July, 2022.

- S. S. Dev Prasath, Soumya Souvik Khuntia, S. Jehaveerapandiyan, A. Muralikrishnan, IV Mech completed "**3rd 5S Auditing**" at Gowri Metal House, Rajapalayam on 12 Aug., 2022.
- U. Ramkumar, II Mech completed a one month internship as a "**Student Partner Intern at InternBug**" during 30 June- 30 July, 2022.
- K. Jeya Prakash, II Mech completed a 2-month internship on "**Artificial Intelligence with Python**" offered by IBM, Microsoft Coincent.ai and Indian Institute of Technology, Guwahati during 25 Nov., 2022- 25 Jan., 2023.
- III Year Mechanical Engineering Students visited "**Autovea Metalplast, Mysore**" during 23-25 Feb., 2023. Mr. J. Jerold John Britto, AP(SG)/Mech, Mr. R. Venkatesh, AP/Mech and Mr. M. Ramar, AP/Mech acted as faculty coordinators for this visit.
- II Year Mechanical Engineering Students visited "**Sea Blue Shipyard Limited, Kochi**" during 24-25 Feb., 2023. Dr. P. Sureshkumar, ASP/Mech, Mr. M. Ashokkumar, AP(SG)/Mech acted as a faculty coordinators for this visit.

8. Conclusion remark of the academic audit

Mr.L.Karthikeyan, AP(SG)/Mech. presented the salient conclusion remark of the academic audit.

Academic Audit communication

Particulars	Remarks	Recommendations
Circular from AU AA – R 2021 Centre for Academic courses	Dated 20.01.2023 – Ref AU Clause 12	HOI – Forming committee – External expert member from near by institute AA report will be verified by AU affiliation inspection team
Nomination of AA Expert member list from dept.	Dated 07.02.2023 Ref: AU CAC – R2021	Nomination (5 expert list) proposal submitted to HOI and same is approved One expert member will be called for AA – Confidential
Circular from AC (RIT) RIT/Academic/2022-23/Even/AA/39	Dated 23.02.2023 Documents period – 2022-23 Odd sem/ Even sem	AA date – 28.02.2023 (9.30am to 4.30pm) Dept. AC – Circulate the checklist Files for R2021 – All files should be audited Audit report will be submitted to AC
Email from dept. AC AA check list	Dated 25.02.2023	Check list and course list shared to all faculty members

Academic Audit inference: R2021 files – III semester

Sl.No	Course code	Course	Specific remarks
1	ME3351	Engineering Mechanics	GATE questions may included in IAT
2	ME3391	Engineering Thermodynamics	Tutorial may included
3	CE3391	Fluid Mechanics and Machinery	GATE questions may included in IAT
4	ME3392	Engineering Materials and Metallurgy	IV may arranged

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5	ME3393	Manufacturing process	IV may arranged
6	ME3381 – L	CAMD	Nil
7	ME3382 – L	MT Lab	Nil

Academic Audit inference: R2017 files – 6 Files

Sl.No.	Course code	Course	Specific remarks
1	ME8099	Robotics (PE)	Nil
2	ME8594	Dynamics of Machines	Nil
3	ME8073	Unconventional Machining process	Nil
4	MG8591	Principles of Management	Nil
5	GE8077	Total Quality Management	IV is arranged and reported in file
6	ME8711	Simulation and analysis lab	Nil

Academic Audit inferences

Audit date: 28.02.2023 (Tuesday) Type of audit: External audit (Frequency – Once in semester)		
Scope for improvement	**Actions taken for Implementation**	**Effectiveness**
Industrial visit exposure are planned in few courses which can be extended in all suitable courses for better exposure for the students. The same can be arranged in tied-up industries	Suggestions were received during 2nd DRM / 2022-23/ Even – In all possible courses IV and activity will be planned	✓ Exposure to Industrial practice ✓ Upskilling
GATE questions are asked in few courses. The same can be given in assignments for all suitable courses	In all problematic courses, GATE questions will be included in assignments & IAT QPs	✓ Strengthen Teaching – Learning process in analytical courses ✓ Improvement in placements ✓ Improves progression towards higher studies
Measures taken for slow learners seems to be implemented in post period (eg. implemented after IAT I based on IAT I performance.).	Previous measures will be taken based on previous semester academic performance and Spcl. Classes will be planned at the beginning of classes	✓ Improvement in university results ✓ Continual improvement in academic performance & Peer learning
The target (pass percentage) set for problem as well as theory courses are same. This can be reconsidered based on the nature of the course (i.e. difficulty)	Domain coordinators are directed to work out the strategy for fixing target Extracurricular and Co-curricular activities will be included in POs attainment calculation	✓ Improvement in target & quality policy achievement ✓ Dynamic change in dept. OBE ✓ Provides 360° learning environment

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Academic audit Inference: Positive comments

- Faculty members pursuing online courses are appreciated. Faculty members becoming expertise in interested domain by earning NPTEL domain certification was also been appreciated.
- Teaching Learning process seems to be good and the efforts taken by the faculty members were appreciated
- Infrastructure in laboratory was appreciated
- Distribution of projects under different streams was also appreciated which helps the students to choose their field of interest

9. Department Outreach Activities

Mr.C.Gururaj, AP(SG)/Mech. detailed the outreach activities done by the department faculty members and students.

Outreach activities by the Faculty members of Mechanical Engineering Department

- Dr. S. Rajakarunakaran, Prof. & Head/Mech & ISTE Executive Member participated in "**118th Meeting of ISTE National Executive Council**" organised by ISTE at Fairfield by Marriott Goa on 26 Aug., 2022.
- Dr. S. Godwin Barnabas, ASP/Mech, Mr. S. Valai Ganesh, AP/Mech designed and submitted an logo for the "**UNESCO - INDIA – AFRICA(UIA) Hackathon**" organised by MoE's Innovation Cell and AICTE on 11 Oct., 2022.



Visited to National University of Singapore

- Dr. L. Ganesan, Principal, Dr. S. Rajakarunakaran, Prof.& Head/Mech attended a meeting on "**Agro Forestry**" with the officials of National University of Singapore on 15 Oct., 2022.
- Mr. C. Gururaj, AP(SG)/Mech, Mr. M. Ashok Kumar, AP(SG)/Mech and Mr. S. Maharajan, AP/ Mech attended the training program **"Training of Trainers for Vayumitra skill development Program"** conducted by National Institute of Wind Energy (NIWE) Chennai in collaborated with TUV Rheinland - NIFE Academy during 02-13 Jan., 2023.
- In connection with the above, our institute is conducting VSDP in three job roles for the youths of Tamilnadu from 30th January 2023 onwards. The above trained faculty members train the trainees of O&M Mechanical technicians job role.
- Mr. S. Maharajan, AP/Mech attended a three-day internship training at "**Mando Automotive India Private Limited, SIPCOT, Irukattukottai, Chennai**" during 13-15 Dec., 2021.
- Mr. J. Jerold John Britto, AP(SG)/Mech, visited the "**Ashok Leyland Hosur Plant**" organised by IITM-PALS on 09 Nov., 2022.

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Visited to "**Mando Automotive India Private Limited - Plant 2**

- Mr. S. Maharajan, AP/Mech, Mr. J. Jerold John Britto,AP(SG)/Mech, Mr. C. Gururaj, AP(SG)/Mech, and Mr. R. Prabhakaran, AP/Mech visited "**Mando Automotive India Private Limited - Plant 2**" and completed a CAD Model of Automobile Brake component during 16-17 Nov., 2022.
- Mr. S. Valai Ganesh, AP/Mech delivered a Guest Lecture on "**Sensors and Arduino**" organised by RIT-IIC in association with Ramco Vidayala Atal Tinkering Lab in Ramco Vidayala, Virudhunagar during 12-13 July, 2022. Mr. C. Pandimuneeswaran, LT/Mech assisted in this event.
- The faculty members of Mechanical Engineering department conducted a State level workshop "MECHRITZ – 23" for the polytechnic students of Tamilnadu in different themes.
- Dr. S. Rajakarunakaran, Prof.& Head/Mech acted as chief guest for "**Arasan Dharbar-2023 National Level Technical Symposium for Polytechnic Colleges**" organised by Arasan Ganesan Polytechnic College, Sivakasi on 22 Feb., 2023.
- Dr. S. Rajakarunakaran, Prof. & Head/ Mech officiated as an "**Expert to do a Mock Audit- Self-Assessment Report (SAR) for the UG programmes of CSE, ECE & EEE under Tier – 1 category**" invited by PSR Engineering College, Sivakasi during 24-25 Sep., 2022.
- Dr. S. Rajakarunakaran, Prof.& Head/Mech, carried out the "**External Academic and Administrative Audit**" in Adhiyamaan College of Engineering (Autonomous), Hosur during 12-13 Nov., 2022.
- Dr.P.Sureshkumar, ASCP/Mech conducted mock NBA audit in **Shadan College of Engineering and Technology, Hyderabad during 13-14 Aug 2022.**
- Dr.P.Sureshkumar, ASCP/Mech acted as resource person for orientation program of SAR Preparation for NBA in Everest Polytechnic College , Tenkasi on 04.03.2023.

Outreach activities by Mr. G.Praburam, AP(SG)/Mech.

Type of activity	Title	Institute/Organization/Forum
Guest Lecture	Ministry of Education sponsored Impact lecture on **"Funding Opportunities for Early Stage Entrepreneurs"**,	SSM College of Pharmachy, Erode on 13 July, 2022.
Guest Lecture	**"Angel Investors/ Venture capital Funding opportunity for early-stage entrepreneurs"**	Institution's Innovation Council of Rajapalayam Raju's College, Rajapalayam
Participation and representation	represented RIT as IIC Innovation Ambassador in **"MoE Innovation Cell and Institution's Innovation Council Regional Meet**	PSNA College of Engineering & Technology, Dindigul on 08 Aug., 2022.
Guest Lecture	**"Patent Searching and Drafting"**	IQAC & Institution's Innovation Council of Annai Hajira Women's College, Tirunelveli on 30 Sep., 2022.

Outreach activities by Mr. R.Arunkumar, AP(SG)/Mech.

Type of activity	Title	Institute/Organization/Forum
Resource person	Online Webinar on "**IPR Protection in Innovation and Entrepreneurship**"	Department of Physics and Institution's Innovation Council of G.T.N Arts College (Autonomous), Dindigul on 25 Aug., 2022
Resource person	**"Entrepreneurship Master Trainer for the three Faculty Development Programme on Entrepreneurship"**	Mother Teresa Women's University in association with Entrepreneurship Development and Innovation Institute (EDII), Govt. of Tamil Nadu. held during 26-28 Sep., 2022 at the Mother Teresa Women's University research extension center, Madurai.
Resource person	**"2 day Workshop on Design Thinking"**	Madurai Kamaraj University in association with EDII, Govt. of Tamil Nadu during 03-04 Nov., 2022.

Our Faculty members acted as REVIEWER

- Mr. R. Arun Kumar, AP/Mech evaluated and gave suggestions for the projects done by "**Ramco Private ITI students**" on 14 July, 2022 and 16 July, 2022 which is to be contested in the State level competition for ITI students.
- Mr. S. Valai Ganesh, AP/Mech reviewed a paper in "**Advances in Materials Science and Engineering Journal (Impact Factor= 2.098)**" on 21 Sep., 2022.
- Mr. R. Arun Kumar, AP/Mech reviewed a research article titled "**Effect of flow rate on the condensation characteristics of CO2-water vapor mixture on the surface of a vertical flat plate**" submitted to the Journal "**Applied Thermal Engineering (IF: 6.465)** " (Elsevier publication) on 12 Jan., 2023.
- Mr. S. Maharajan, AP(SG)/Mech reviewed a research article titled "Decomposition kinetics of sodium amalgam in fixed bed of WC coated tubular SS-304 packing: modelling & validation" for Asia-Pacific Journal of Chemical Engineering. WILEY Publication on 23rd DEC 2022.

Outreach activities by Students of Mechanical Engineering Department

- J. Gowtham, II Mech secured 3rd place in the "**Song competition**" organised by Systematic Voters Education and Electoral Participation, Election Commision of India on 16 Nov., 2022.
- P. Anandhan, V. Surya Kumar, F. Mohammed Arsath, II Mech submitted the idea for "**Mechanical Palmyra tree climbing device**" in Tamilnadu Agri Hackathon 2022 on 25 Nov., 2022.
- Parthiban, III Mech awarded as "**Mr. RYLA**" in Rotary Youth Leadership Awards Camp held at JIJI's Castle, Courtallam during 06-08 Jan., 2023.
- K. Pavan Shankar, K.Karthick, R. Ram Shankar, R. Muthu Kumar, M. Karthikeyan, R. Madhavan, A. Santhosh Kumar, F. Mohamed Arsath, R. Harish Krishnan, J. Gowtham, M. Aathithyan, N. Kiruthick, K. Varun, R. Krishna, R. K. Ramnath Sarguru, R. Ramji, N. Ramji, S. Jawahar Ganesan, R. Sabarai Ravinthar, S. Sankar Ganesh, R. S. Bhuvanesh, M. Santhosh Kumar, M. Subbiah@Selvam, S. Sibi Rakesh, M. Surya Prakash, V. Palpandian, II Mech participated in "**voluntary blood donation**" in service to suffering patients organized by Tamil Nadu State Aids Control Society and Tamil Nadu State Blood Transfusion Council on 21 Nov., 2022.
- Soumya Souvik Khuntia, S. Jehaveerapandiyan, A. Muralikrishnan, IV Mech completed "**5S Auditing**" at Gowri Metal House, Rajapalayam on 29 July, 2022.

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- P. R. Vijay Jaganath, IV Mech attended "PLASTINDIA 2023" – The 11th International Plastics exhibition organized in Pragati Maidan, Delhi during 02 – 05 Feb., 2023.

Suggestions given by the PAQIC members as follows:

- Although the term "advancement course" is already in use in R2021 practise, the members suggested coining an alternative name for the advancement course handled by the adjunct professor.
- Derive a minimum of two projects as an outcome from the course "Advances in Manufacturing Engineering."
- Tutorials, assignments and quizzes should be considered as learning and assessment tools.
- The subjects' pre-requisite tests should be divided into two categories: i) relevant/related subject content already studied, and ii) relevant/related subject content not exposed. Elective courses may not be subjected to pre-requisite testing.
- Allocation of weightage for the course Performance in the previous semester may be considered at 40% instead of 50%. The remaining 10% weightage may be given to the pre-requisite test for attainment of course.
- Recognised to consider only 10% weightage for co-curricular activities (based on the student's participation in other states, within states, or internship participation) in PO attainment.
- Set a target for individual COs / question wise targets based on the need of the course.
- Find the PEOs of the program and, based on the input from various stakeholders, change the vision and mission of the program if it requires it.
- Periodically review the short-term and long-term goals set by the department.
- Collect feedback during the conduct of any kind of active learning in the teaching and learning process.
- Do the impact analysis for the action taken for the slow learner's improvement.
- Identify the potential students from the first year itself and motivate them to secure a university rank.
- Ensure that the quality of the question paper consists of 40% in L1 and L2 and 60% in L3.
- Periodical updation required for department achievements & credentials on website.
- Appreciate the students and faculty members for their achievements.

Prepared By	NBA Coordinator/ Mech.	Reviewed by (HOD/Mech.)	Approved by Principal
26/4/23	26/4/23	27/4/23	27.4.23

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RAMCO INSTITUTE OF TECHNOLOGY

Approved by AICTE, New Delhi & Affiliated to Anna University
Accredited by NAAC and ISO 9001:2015 Certified Institution

Department of Electronics and Communication Engineering
(Accredited by NBA)
Department Advisory Committee Meeting-V
DAC Meeting Members

Date: 27.10.2022

Sl. No.	Name of the DAC Members	Affiliation	Position
1.	Dr.C.Vasanthanayaki	Professor & Head (PG), Department of ECE, Government College of Technology, Coimbatore.	Academic Member
2.	Mr.Prajesh Kalathil	Vice-President, Bharti Airtel Ltd, Chennai.	R&D Member
3.	Mr.K.Moorthi	Director-Business Development, Enthu Technology Solutions India Pvt Ltd, Coimbatore.	Industry Member
4.	Dr.B.Deepa Lakshmi	HOD, Department of ECE, Ramco Institute of Technology.	Convener
5.	Dr.A.Azhagu Jaisudhan Pazhani	Associate Professor, Department of ECE, Ramco Institute of Technology.	Co-Convener
6.	Dr.K.Basarikodi	Professor & Head, Department of Mathematics, Ramco Institute of Technology.	Internal Member
7.	Dr.S.Vimal	Associate Professor, Department of AD, Ramco Institute of Technology.	Internal Member
8.	Dr.N.Karthikeyan	Assistant Professor (Sr.Gr.) & Head, Department of Physics, Ramco Institute of Technology.	Internal Member
9.	Mr.B.Kannan	Assistant Professor (Sr.Gr.), Department of ECE, Ramco Institute of Technology.	Internal Member
10.	Mr.B.Veeramani Viswanathan	Director of Engineer, MuPhile Labs, Chennai.	Alumni Member (Batch 2014-2018)
11.	Mr.R.Karthickkumar	Embedded Engineer, Honeywell Aerospace, Madurai.	Alumni Member (Batch 2015-2019)
12.	Ms.S.Divya	Systems Engineer, Infosys Limited, Chennai.	Alumni Member (Batch 2015-2019)
13.	Mr.P.Siva Chidambaram	Silicon Validation Engineer, Tessolve Semiconductor Private Limited, Bangalore.	Alumni Member (Batch 2016-2020)

27/10/2022
Faculty In-charge

27/10/22
HOD(ECE)

27/10/22
Vice-Principal

27.10.22
Principal

RAMCO INSTITUTE OF TECHNOLOGY

Approved by AICTE, New Delhi & Affiliated to Anna University
Accredited by NAAC and ISO 9001:2015 Certified Institution

Department of Electronics and Communication Engineering
(Accredited by NBA)
Department Advisory Committee Meeting-V
Agenda

Ref.: RIT/ECE/DAC/05 **Date: 27.10.2022**

The fifth Department Advisory Committee (DAC) meeting is scheduled on **12.11.2022 (Saturday)** from 10.00AM to 01.00PM through Google meet (https://meet.google.com/iae-ghxo-hmh). All DAC members and faculty members are invited to attend the meeting. The agenda is given below.

Sl. No.	Topics	Faculty In-charge	Time
1.	Review of previous meeting (4th DAC), Review of Quality Objectives and Suggestions given by NBA Peer Members	Dr.B.Deepa Lakshmi	10.00am-10.10am
2.	Dissemination of Vision, Mission, POs, PSOs and PEOs	Ms.S.Harini Shriram	10.10am-10.20am
3.	Teaching and Learning: • Curricular gap and Content Beyond Syllabus • Question Paper Quality Improvement	Mr.K.Ragavan	10.20am-10.30am
	• Innovation Methods Practiced and its Implications • Action taken for Slow Learners and Bright Students • Feedback on Teaching and Learning • Reforms in Teaching	Mrs.G.Gnana Priya	10.30am-10.40am
	• Project Review and Assessment • Institute – Industry Interaction and its Impact • Internship and In-Plant Training	Mr.G.Sivakumar	10.40am-10.50am
4.	• Attainment of COs, POs, PSOs with program effectiveness (2020-2021) and (2021-2022) • CO Targets for the Forthcoming Academic Year 2022-2023 • Assessments Methods	Dr.S.Vairaprakash & Mr.A.RameshBabu	10.50am-11.00am
5.	Result Analysis of Academic Year 2020-2021 and Academic Year 2021-2022	Mrs.V.Srirenga Nachiyar	11.00am-11.10am
	• Professional Societies and Technical Association: Participation and its Inference • Higher Studies and Entrepreneurship	Mr.R.Deiva Nayagam	11.10am-11.20am
	Training and Placement Progress	Dr.A.Azhagu Jaisudhan Pazhani & Mr.P.Gunasekaran	11.20am-11.30am

6.	Research and Development (Publication, Patent, Projects, Consultancy, Research Collaboration)	Dr.R.Rajalakshmi	11.30am-11.40am
	Faculty Participations/Faculty Performance, Awards and Achievements	Mr.D.Gopinath	11.40am-11.50am
7.	• Laboratory Utilization with Respect to OBE • Additional Facility Utilization	Mr.P.Venkatesh	11.50am-12.00pm
8.	EDC, IIC, NISP Progress, Extra-curricular Activities, Mentoring	Mr.P.Gunasekaran Mr.LK.Balaji Vignesh	12.00pm-12.10pm
9.	Online Courses (Faculty Members & Students)	Mr.A.RameshBabu Mrs.G.Subhashini	12.10pm-12.20pm
10.	Continuous Improvements	Dr.A.Lakshmi	12.20pm-12.30pm
11.	Alumni Association Interaction	Mr.K.Ragavan	12.30pm-12.40pm
12.	Stake Holders Feedback Analysis: Students/Parents/Alumni/Recruiters	Mrs.R.Ramalakshmi	12.40pm-12.50pm
13.	Department Budget Allocation & Expenses	Mr.B.Kannan	12.50pm-01.00pm

27/10/2022 — **Faculty In-charge**

27/10/22 — **HOD(ECE)**

27/10/22 — **Vice-Principal**

27.10.22 — **Principal**

Copy to

1) All DAC members and faculty members through email
2) File

RAMCO INSTITUTE OF TECHNOLOGY

Approved by AICTE, New Delhi & Affiliated to Anna University
Accredited by NAAC and ISO 9001:2015 Certified Institution

Department of Electronics and Communication Engineering
(Accredited by NBA)
Department Advisory Committee Meeting-V

Ref.: RIT/Academic/ECE/DAC/2021-2022/01 **Date: 29.12.2022**

MINUTES OF FIFTH DEPARTMENT ADVISORY COMMITTEE MEETING

The Fifth Department Advisory Committee Meeting was held on 12.11.2022 through an online platform (Google Meet) with the following Agenda.

- Review of previous meeting (4th DAC), Review of Quality Objectives and Suggestions given by NBA Peer Members
- Dissemination of Vision, Mission, POs, PSOs and PEOs.
- Teaching and Learning:
  - Curricular gap and Content Beyond Syllabus
  - Question Paper Quality Improvement
- Innovation Methods Practiced and its Implications
- Action taken for Slow Learners and Bright Students
- Feedback on Teaching and Learning
- Reforms in Teaching
- Project Review and Assessment
- Institute – Industry Interaction and its Impact
- Internship and In-Plant Training
- Attainment of COs, POs, PSOs with program effectiveness
- CO Targets for the Forthcoming Academic Year
- Assessments Methods
- Result Analysis of 2019-2020 Even Semester and 2020-2021 odd Semester
- Professional Societies and Technical Association: Participants and its Inference
- Training and Placement Progress
- Research and Development (Publication, Patent, Projects, Consultancy, Research Collaboration)
- Faculty Participations/Performance Awards and Achievements – Faculty members

- Laboratory Utilization with Respect to OBE
- Additional Facility Utilization
- EDC, IIC, NISP Progress, Extra-curricular Activities, Mentoring Activities and Mentoring
- Online Courses (Faculty Members & Students)
- Continuous Improvements
- Alumni Association Interaction
- Stack Holders Feedback Analysis: Students/ Parents/ Alumni/ Recruiters
- Department Budget Allocation & Expenses
- Any other matters

1. Welcome Address	**(Dr.A.Azhagu Jaisudhan Pazhani, Associate Professor)**
Dr.A.Azhagu Jaisudhan Pazhani, Associate Professor, welcome and introduced the distinguished R&D, Industry, Academic, Convener, Co-Convener, Internal, and Alumni DAC members:	
Dr.C.Vasanthanayaki, Academic Member	Professor & Head, (PG), Department of Electronics and Communication Engineering, Government College of Technology, Coimbatore.
Mr.Prajesh Kalathil, R&D Member	Vice-President, Bharti Airtel Ltd, Chennai.
Mr.K.Moorthi, Industry Member	Director-Business Development, Enthu Technology Solutions India Pvt Ltd, Coimbatore.
Dr.B.Deepa Lakshmi, Convener	Head of the Deparment, Department of Electronics and Communication Engineering, Ramco Institute of Technology, Rajapalayam.
Dr.A.Azhagu Jaisudhan Pazhani, Co-Convener	Associate Professor, Department of Electronics and Communication Engineering, Ramco Institute of Technology, Rajapalayam.
Dr.K.Basarikodi, Internal Member	Professor, Department of Mathematics, Ramco Institute of Technology, Rajapalayam.
Dr.S.Vimal	Associate Professor, Department of Artificial Intelligence and Data Science, Ramco Institute of Technology, Rajapalayam.
Dr.N.Karthikeyan, Internal Member	Assistant Professor (Sr.Gr.), Department of Physics, Ramco Institute of Technology, Rajapalayam.
Mr.B.Kannan, Co-Convener	Assistant Professor (Sr.Gr.), Department of Electronics and Communication Engineering, Ramco Institute of Technology, Rajapalayam.
Mr.B.Veeramani Viswanathan, Alumni Member	Director of Engineer, MuPhile Labs, Chennai.
Mr.R.Karthickkumar, Alumni Member	Embedded Engineer, Honeywell Aerospace, Madurai.
Ms.S.Divya	Systems Engineer, Infosys Limited, Chennai.
Mr.P.Siva Chidambaram	Silicon Validation Engineer, Tessolve Semiconductor Private Limited, Bangalore.

1. Review of previous meeting (4th DAC) and Review of Quality Objectives		(by Dr.B.Deepa Lakshmi, HOD/ECE)
Points Delivered by the Faculty Members	**Suggestions were given by DAC Members**	**Remarks with Target Date and Responsibility**
• The review of the previous DAC IV meeting and the quality objectives status for the Academic year 2021-2022. • The implementations as per the suggestions given by the DAC members during the previous meeting.	Nil	NIL

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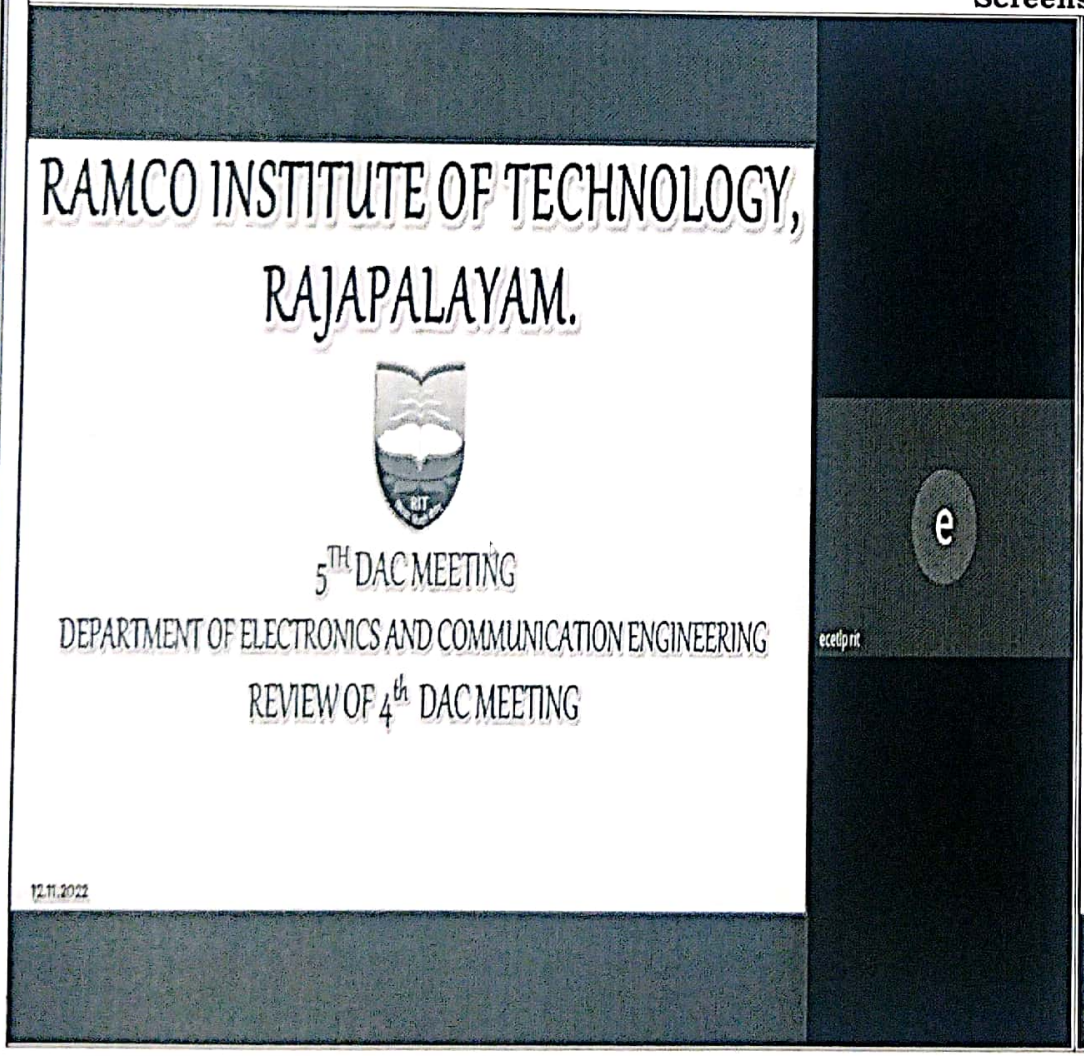

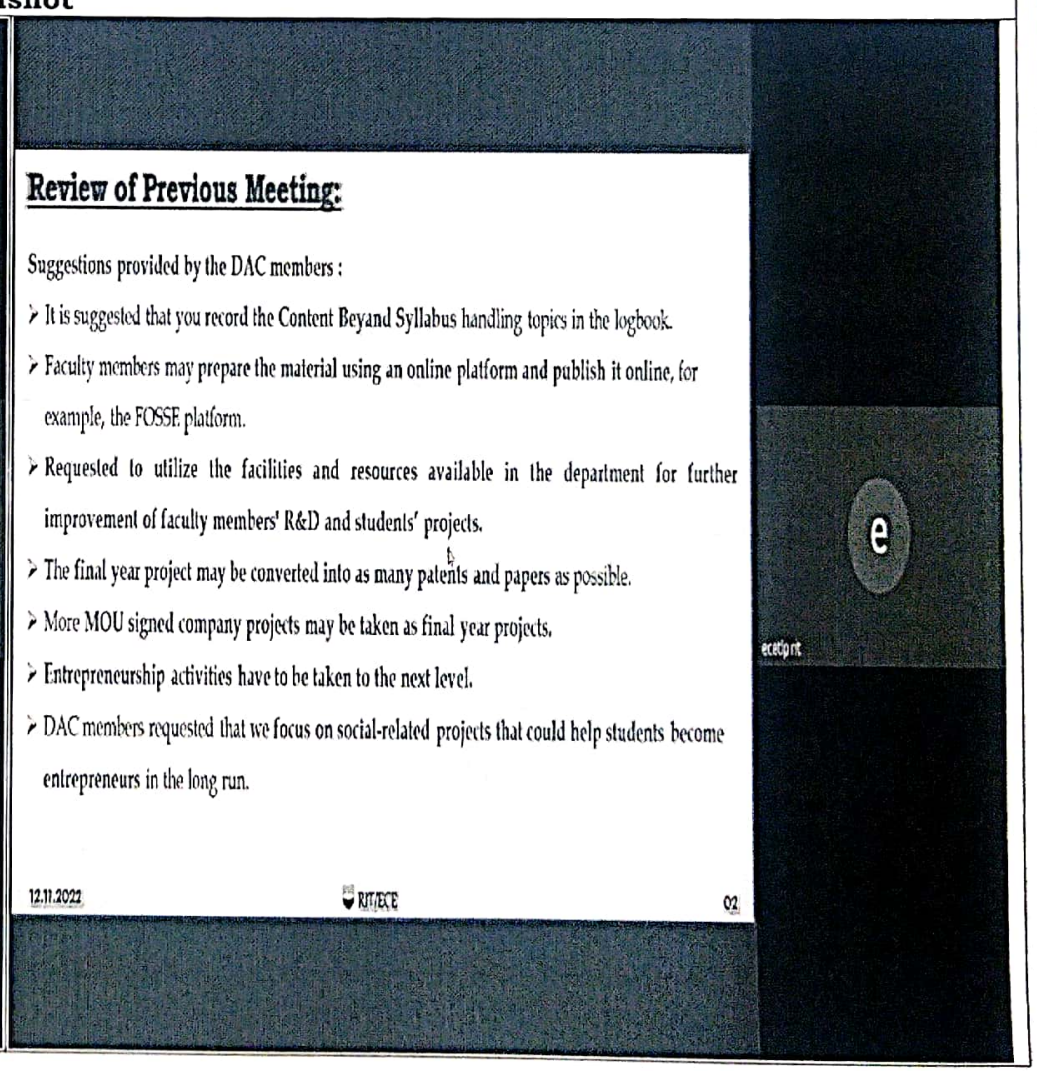

2. Dissemination of Vision, Mission, PEOs, and PSOs (by Ms.S.Harini Shriram, AP/ECE)

Points Delivered by the Faculty Members	Suggestions were given by DAC Members	Remarks with Target Date and Responsibility
• Explained about the department's Vision, Mission, Program Educational Objectives (PEOs), and Program Specific Outcomes (PSOs) to all DAC members and faculty members. Given a brief review about the dissemination of vision, mission in all the department activities. • During the academic year 2021-2022 the vision,mission disseminated to all the students during the first day of each semester and in the Alumni meet, Parents teacher meet, Class committee meeting, DRM, and also it is disseminated to Adjunt professor and industry person through mail and the related proofs are presented in the meeting.	• The DAC members suggested to check the correlation of department vision and mission to the college vision and mission. • DAC members insisted to provide the GATE exam attended and GATE cleared students list with marks and Tessolve training attended and interview cleared students list. DAC members suggested to provide the quantitative data in all the activites conducted.	**Remarks:** • For Suggestion 1: The correlation of department vision, Mission with College vision mission need to be checked. • For Suggestion 2: GATE exam and Tessolve training attended and cleared students proofs need to be collected. **Target Date:** March 2023 **Responsibility:** Co-ordinators and Faculty Members

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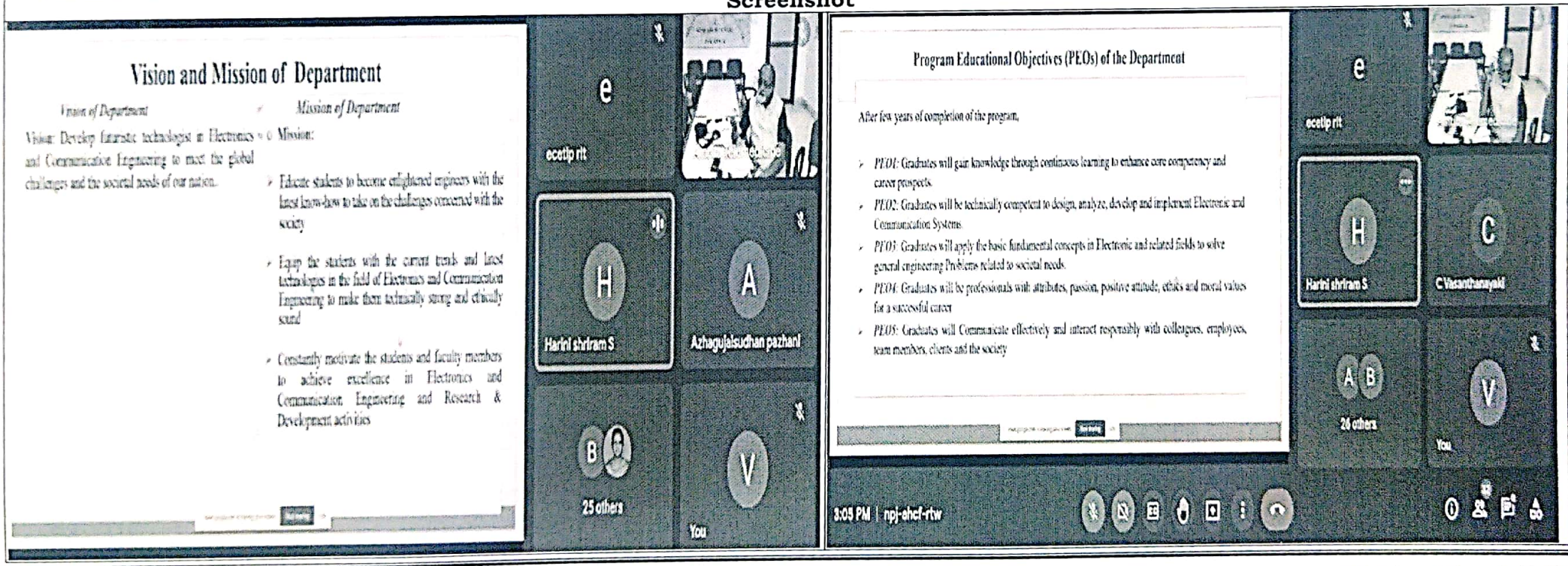

3. Teaching and Learning **(by Mr.K.Ragavan, AP(Sr. Gr.)/ECE)**

- Curricular gap and Content Beyond Syllabus
- Question Paper Quality Improvement

Points Delivered by the Faculty Members	Suggestions were given by DAC Members	Remarks with Target Date and Responsibility
• The process of identifying the curricular gaps in Anna University's curriculum. • Steps taken for identifing gaps included in the curriculum based on the feedback/suggestions received from internal and external stakeholders for the Academic year 2019-20, 2020-21 & 2021-22.	• The DAC members suggested incorporating identification of curriculam gap with PO attainment. • In question paper quality evaluation, complexity level of the question paper to be evaluated by the domain coordinator and Head of the Department.	**Remarks:** • For Suggestion 1: Curriculum gap to be identified based on PO attainment as one the parameters and it will be fullflled by additional courses like VAC, Technical events through professional societies • For Suggestion 2: For the Academic year 2021-22 (Even Semester) onwards, the question papers were directly send to the Exam Cell by the corresponding subject faculty. So, the doman coordinator and HOD may not be able to verify the question papers and its complexity levels. It will be done by External Review members only. **Target Date:** May 2023 **Responsibility:** Faculty Members

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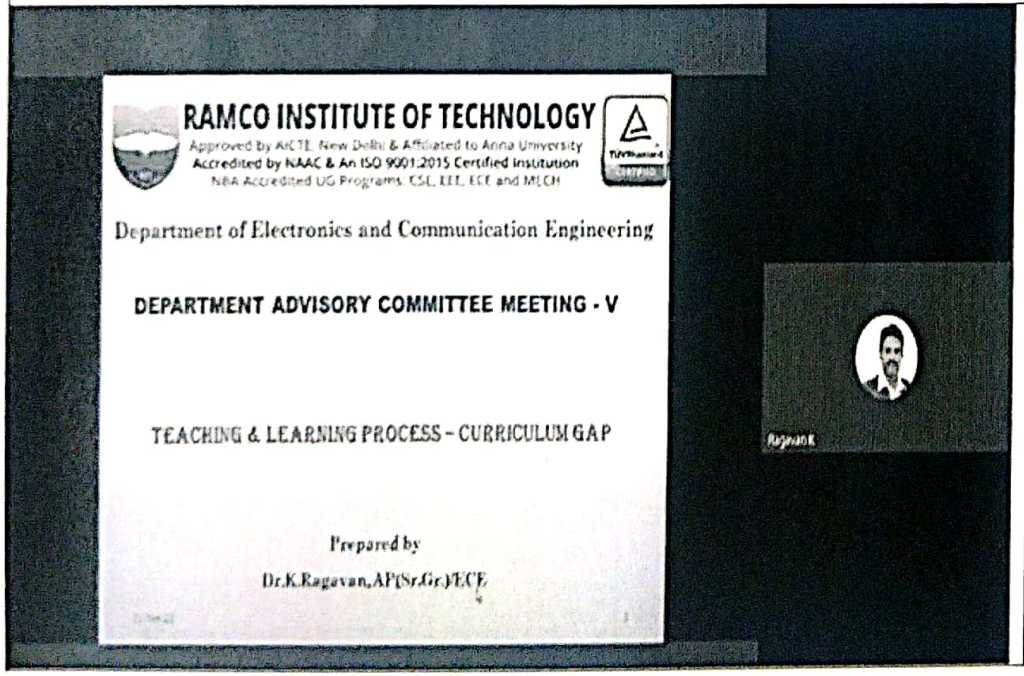

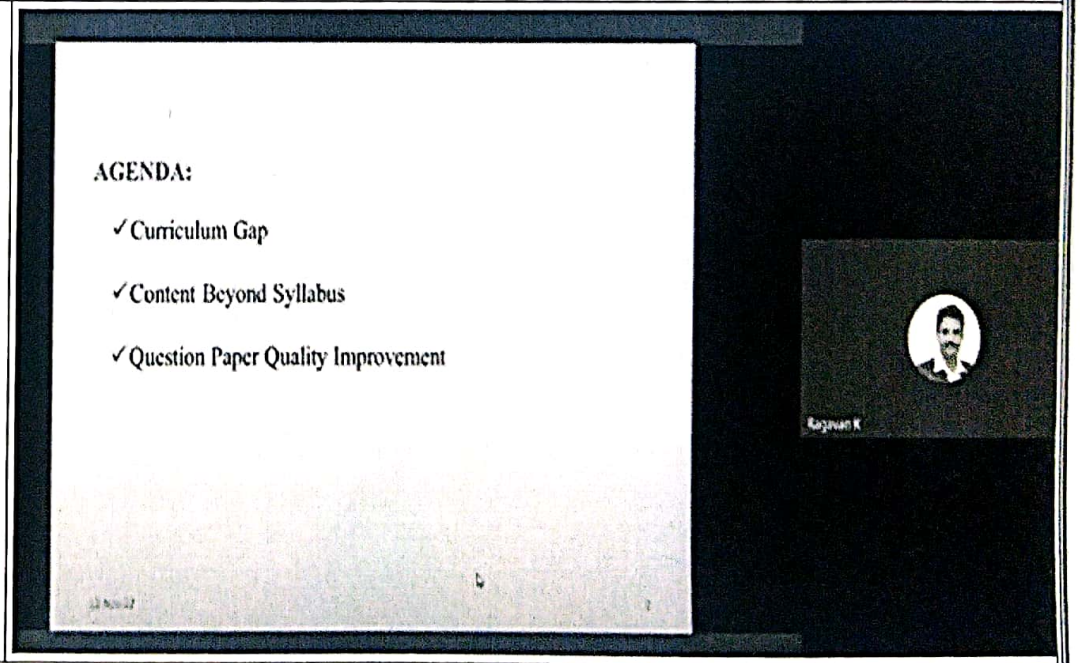

4. Teaching and Learning **(by Mrs.G.Gnana Priya, AP/ECE)**

- Innovative Methods Practiced and its Implications
- Action taken for Slow Learners and Bright Students
- Feedback on Teaching and Learning
- Reforms in Teaching

Points Delivered by the Faculty Members	Suggestions were given by DAC Members	Remarks with Target Date and Responsibility
• Innovative Methods Practiced and its Implications • Action taken for Slow Learners and Bright Students • Feedback on Teaching and Learning • Reforms in Teaching	• The quality of the online content prepared by the faculty members to be assessed by a committee. • Encourage students to access digital library. • Committee may be formed to identify slow learners and bright students. The improvement should be measured. • Encourage bright students to participate in hackathon, idea generation/product development activity etc.,	**Remarks:** • Committee may be formed to identify slow learners & bright students ald also to assess the quality of the online content prepared by the faculty members. • Students will be encouraged to access digital library. • Bright students will be encouraged to participate in hackathon, idea generation/product development activity etc., **Target Date:** May 2023 **Responsibility:** Faculty Members

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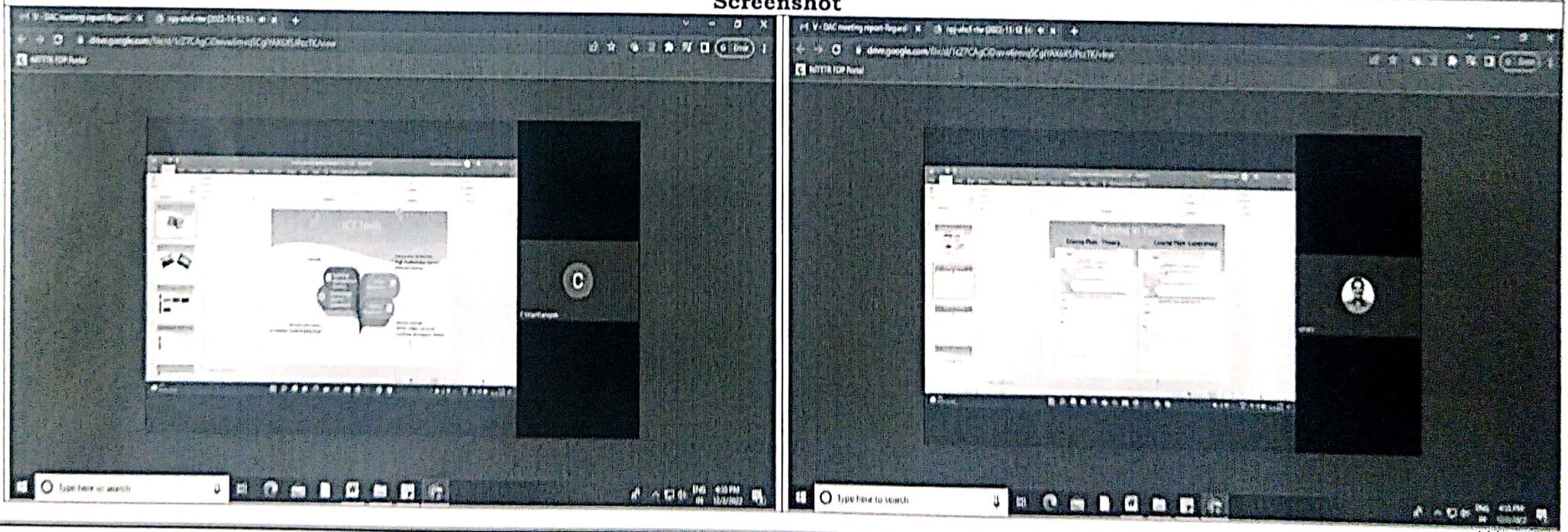

5. Teaching and Learning **(by Mr.G.Sivakumar, AP/ECE)**

- Project Review and Assessment
- Institute – Industry Interaction and its Impact
- Internship and In-Plant Training

Points Delivered by the Faculty Members	Suggestions were given by DAC Members	Remarks with Target Date and Responsibility
• Explained Project Review and Assessment • Explained the industry projects and details of industry projects in the academic year (2021-2022) • Shared the details of MoUs in the academic year 2021- 2022 with various industries • Explained Internship and In-Plant training details	• To form a committee including Academic and industry experts to classify the best and average projects. • Encourage students to do project in MoU signed industries. • Motivate students to publish papers in indexed conference	**Remarks:** • For Suggestion: Faculty incharges asked to get permission from MoU signed industry to do final year students project. • Supervisors and project coordinators encourage students to publish papers in indexed conferences **Target Date:** April 2023 **Responsibility:** Co-ordinators and Faculty Members

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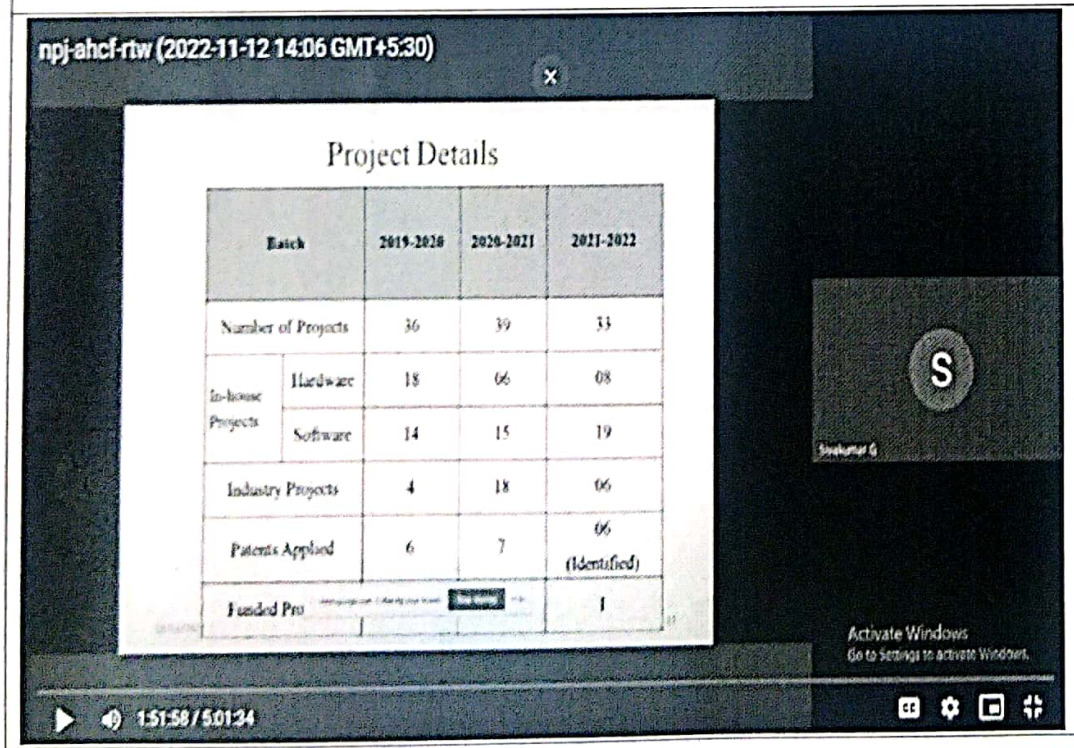

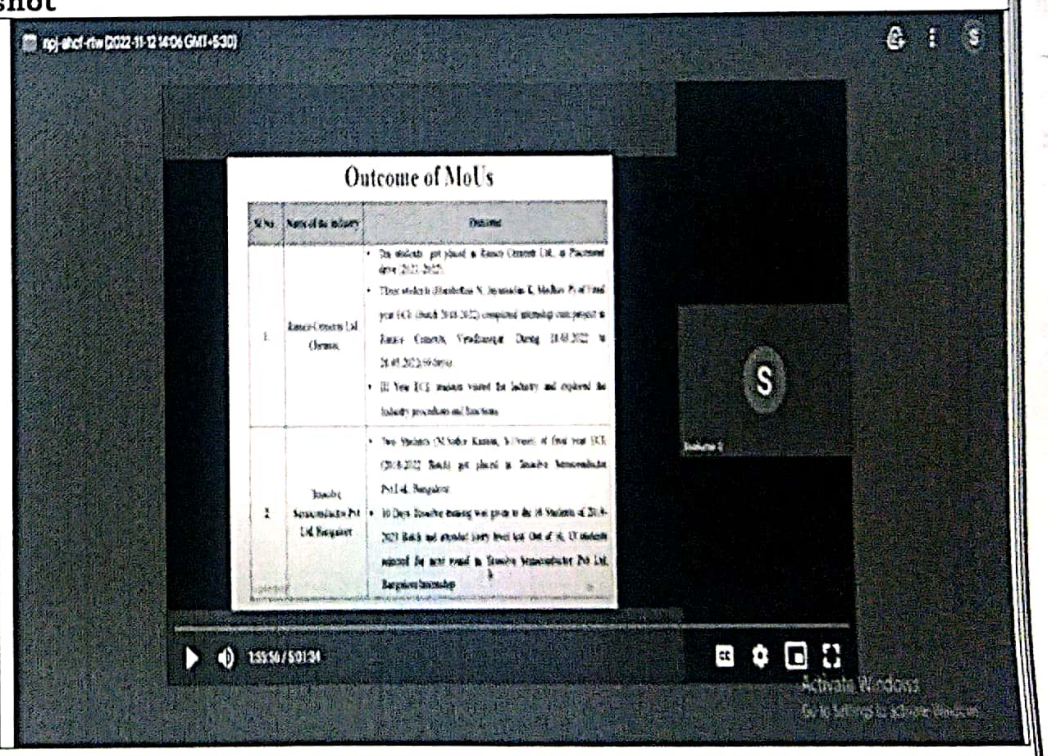

6. Teaching and Learning **(by Dr.A.Azhagu Jaisudhan Pazhani, Asso. Prof/ECE) & Dr.S.Vairaprakash, Asso. Prof/ECE)**

- Attainment of COs, POs, PSOs with program effectiveness (2020-2021)
- CO Targets for the Forthcoming Academic Year 2022-2023
- Assessments Methods

Points Delivered by the Faculty Members	Suggestions were given by DAC Members	Remarks with Target Date and Responsibility
• The attainment level of POs and PSOs and action taken for the last academic year (2021-2022). • The course exit survey for indirect assessment for the academic year 2021-2022. • Elaborated about the target for the forthcoming academic year and also discussed action taken and preventive measures for achieving CO target.	• Asked to give more importance to target setting and CO & PO mapping.	**Remarks:** • For Suggestion: Faculty members will arrange webinars/workshops/FDPs related to their subject topics. **Target Date:** December 2022 **Responsibility:** Faculty Members.

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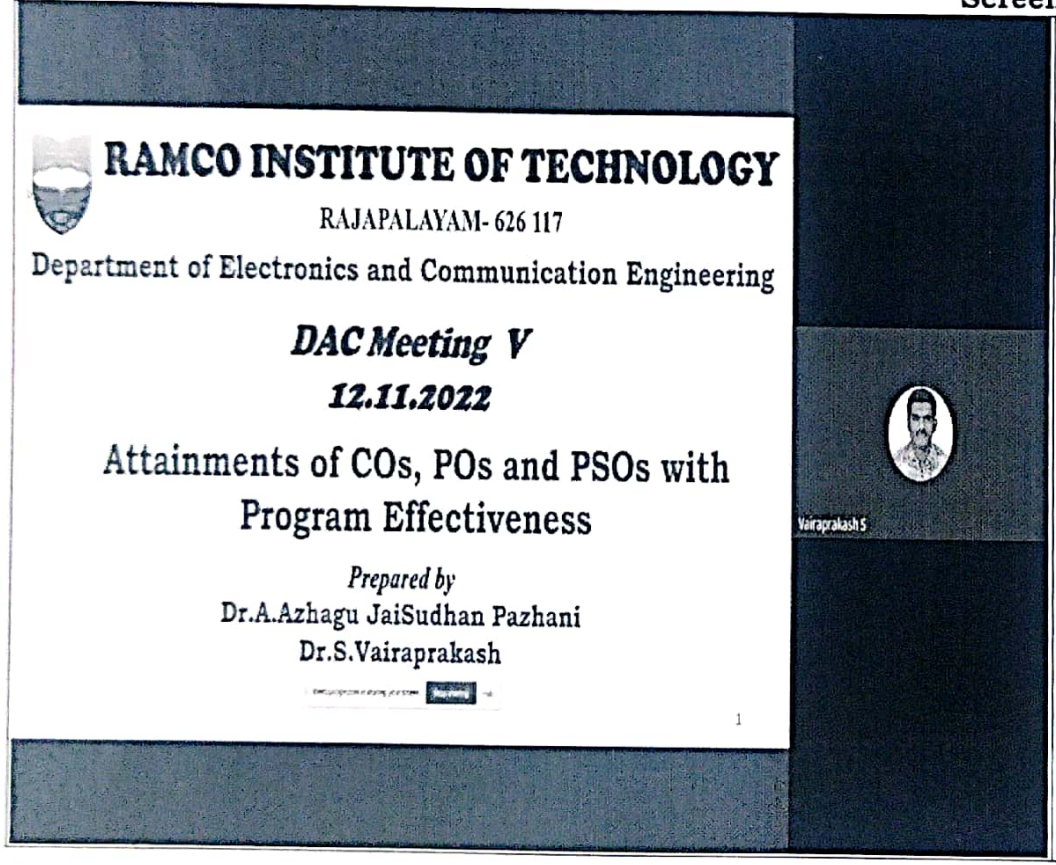

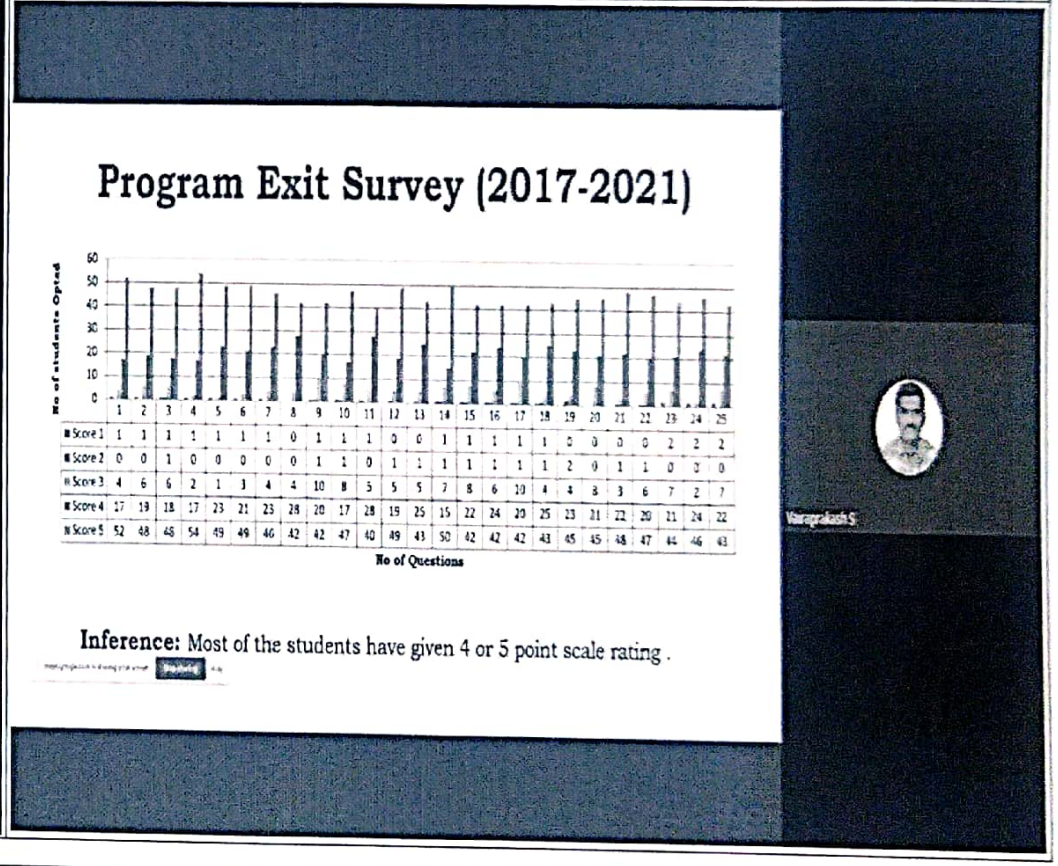

7. Result Analysis **(by Mrs.V.Srirenga Nachiyar, AP(Sr. Gr.)/ECE)**

- Result Analysis of Academic Year 2020-2021 and Academic Year 2021-2022

Points Delivered by the Faculty Members	Suggestions were given by DAC Members	Remarks with Target Date and Responsibility
• The result analysis for the academic year 2020-2021 (Even) and 2021-2022 (Odd & Even). • The average grade point calculation for differentiating the result analysis, since the Anna University Examination has been conducted as an open book Test.	• Asked to include all pass students percentage.	**Remarks:** • Planned to improve the Grades of the students **Target Date:** Continuous **Responsibility:** All Faculty members and HOD/ECE

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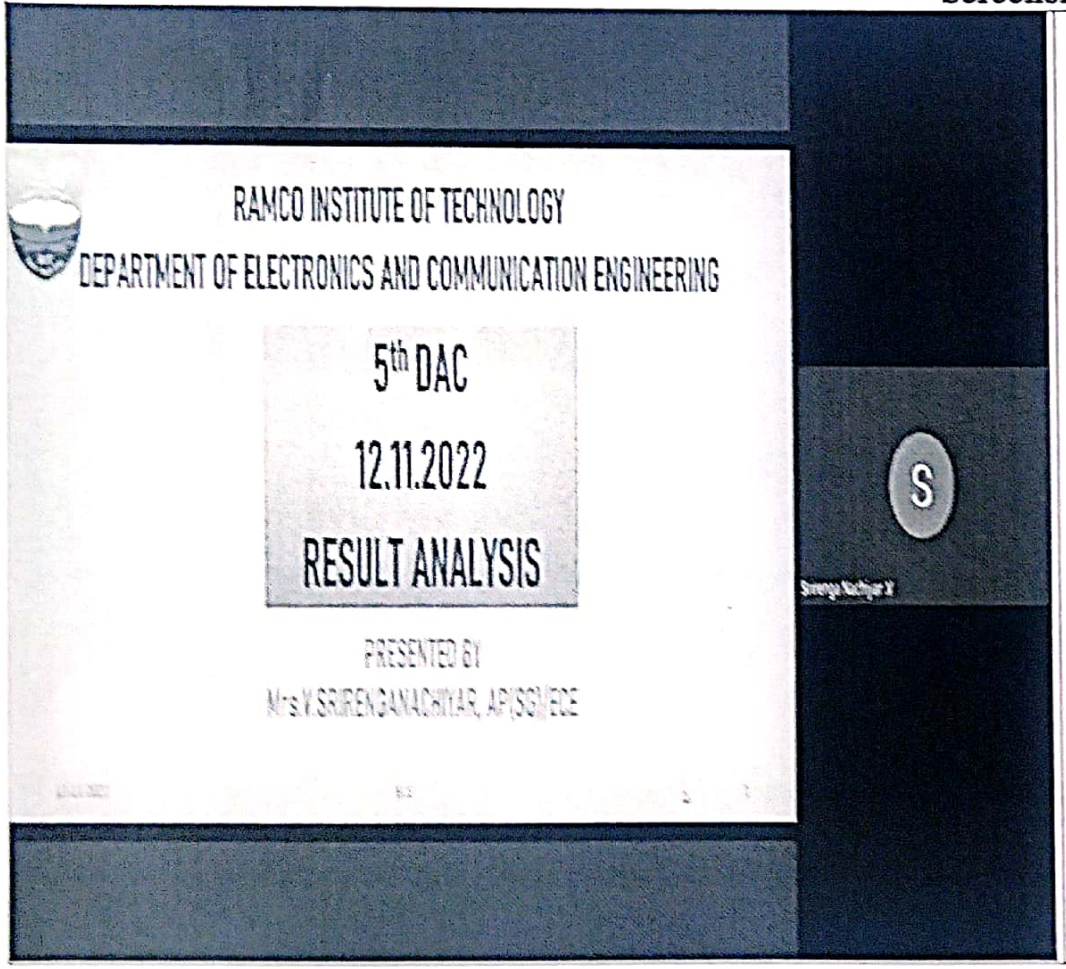

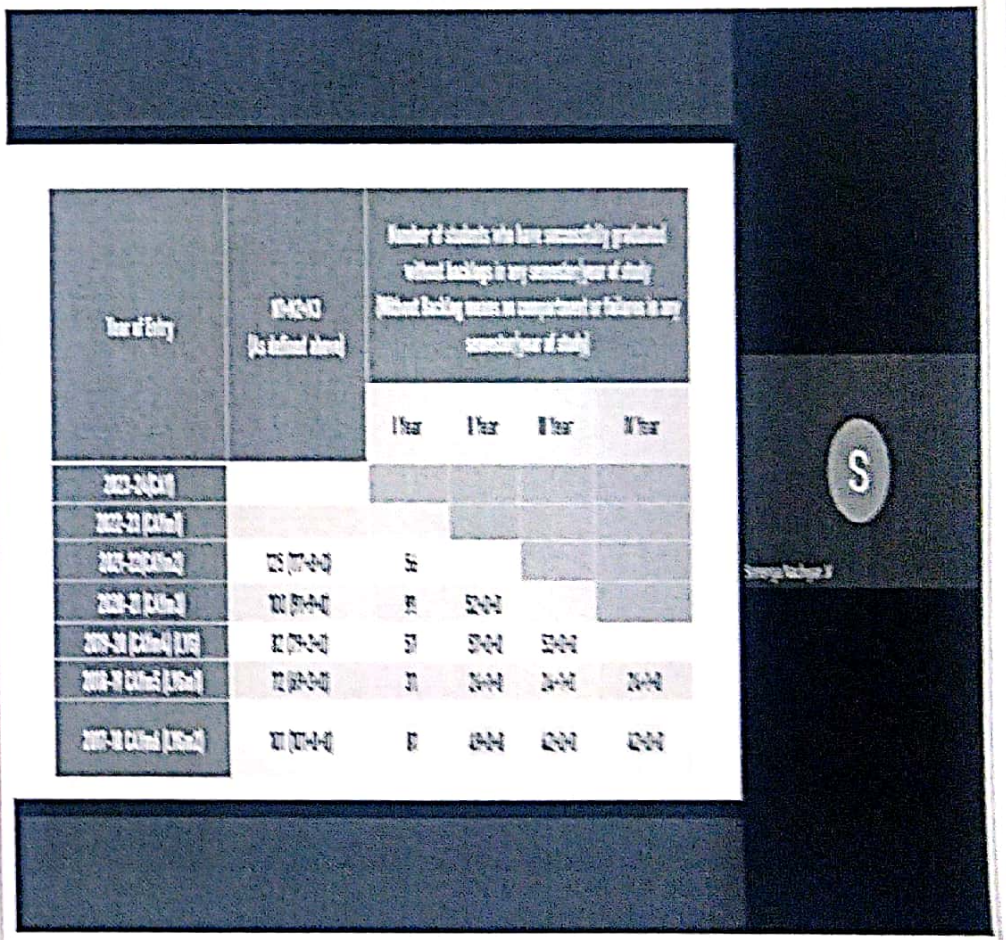

8. Student Participation **(by Mr.R.Deiva Nayagam, AP/ECE)**

- Professional Societies and Technical Association: Participation and its Inference
- Higher Studies and Entrepreneurship

Points Delivered by the Faculty Members	Suggestions were given by DAC Members	Remarks with Target Date and Responsibility
• Number of students and faculty members actively present in professional societies. • Listed the number of events organized and event details held in odd and even semester through professional society. • Explained about RIT Electronica – Technical Association details and mentioned the events organized through association activity • Publication of newsletter, magazine were presented to the DAC members • Number of students opted for higher studies details and their institute details were presented.	• The DAC members suggested to incorporate the IEEE society in our college and make the students and faculty to become a member of IEEE. • Mentioned to put the participation count of each events organized through professional society. • Asked about how the outcomes were measured after conducting an activity.	**Remarks:** • For Suggestion 1: Information passed to HoD and other society incharges to seek the possibilities of enrolment in IEEE Student chapter. • For Suggestion 2: The participation details were mentioned in the ISO CO10 form. • For Suggestion 3: The outcomes were measured in terms of conducting quiz related activities. **Target Date:** Continuous **Responsibility:** Event Coordinators and Professional Society incharges.

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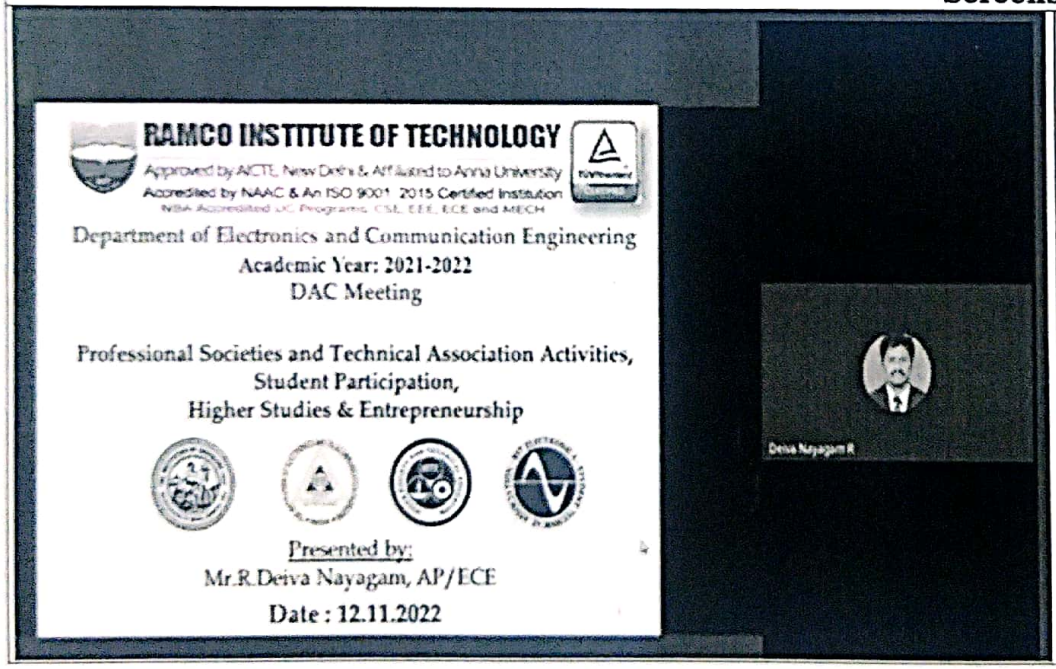

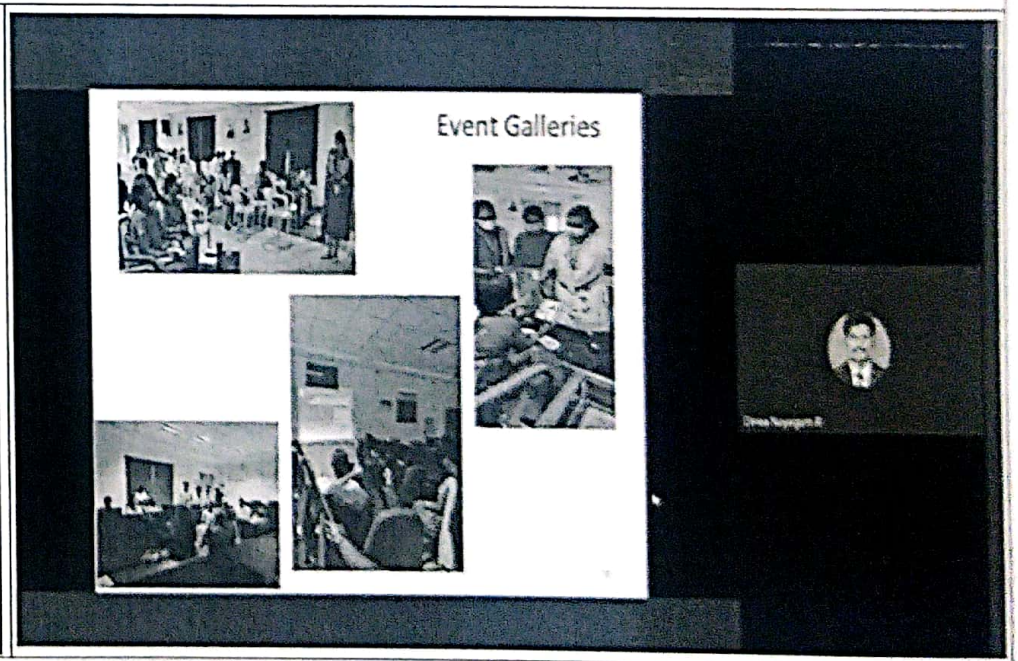

9. Training and Placement Progress **(by Dr.A.Azhagu Jaisudhan Pazhani, Asso. Prof/ECE)**

- Placement Analysis 2018-2022 Batch
- Placed Student Details
- Training Details
- Placement Analysis 2019-2023 Batch
- Overall Placement Statistics
- Company visited details

Points Delivered by the Faculty Members	Suggestions were given by DAC Members	Remarks with Target Date and Responsibility
• Presented the Placement Analysis of 2018-2022 & 2019-23 Batch Student Details. • Placement coordinator elaborated on the training providers' details. • Discussed Overall Placement Statistics and Company visited details.	• DAC members suggested to invite more core companies. • DAC members insisted to provide core training to the students.	**Remarks:** • For Suggestion 1 & 2: Planned to implement for the Batch 2020-2024 **Target Date:** May 2023 **Responsibility:** Placement Coordinator & Faculty Members.

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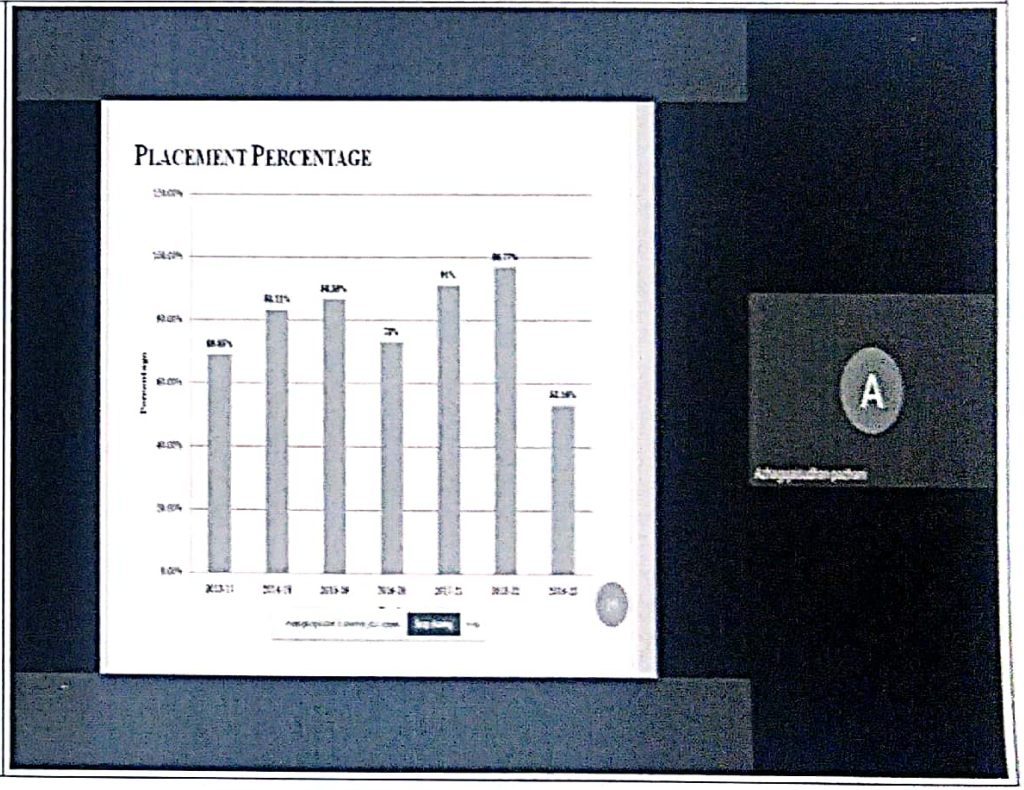

10. Research and Development **(by Dr.R.Rajalakshmi, AP/(ECE)**

- Publication, Patent, Projects, Consultancy, Research Collaboration

Points Delivered by the Faculty Members	Suggestions were given by DAC Members	Remarks with Target Date and Responsibility
• Research Publications • Faculty R & D Target and Achieved details • Patent, Project Proposal details • Project Proposals Submitted Details • Funded Program Details • Consultancy Details • Honorary Professor and Adjunct Professor Details	• The DAC members suggested to register ph.D for non-ph.D registered faculty members • Journal publication need to be improved • Submission of Project Proposals need to be improved • Suggested to apply Anna university Research centre for ECE Department • Suggested to increase journal publications (in SCIE and Scopus) • Suggested to approach industry for Consultancy project work • To apply Copy right	**Remarks:** • Identifed industry which is MOU with our department, Consultancy work initiated with them. **Target Date:** Continuous **Responsibility:** Faculty Members

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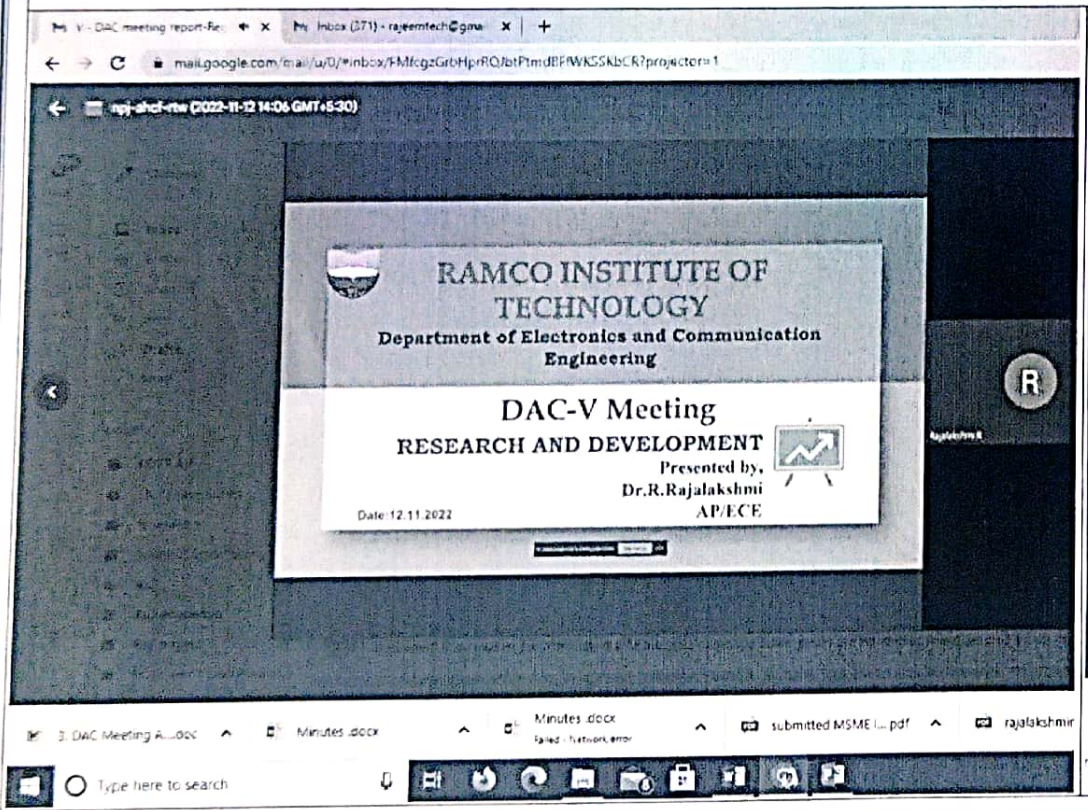

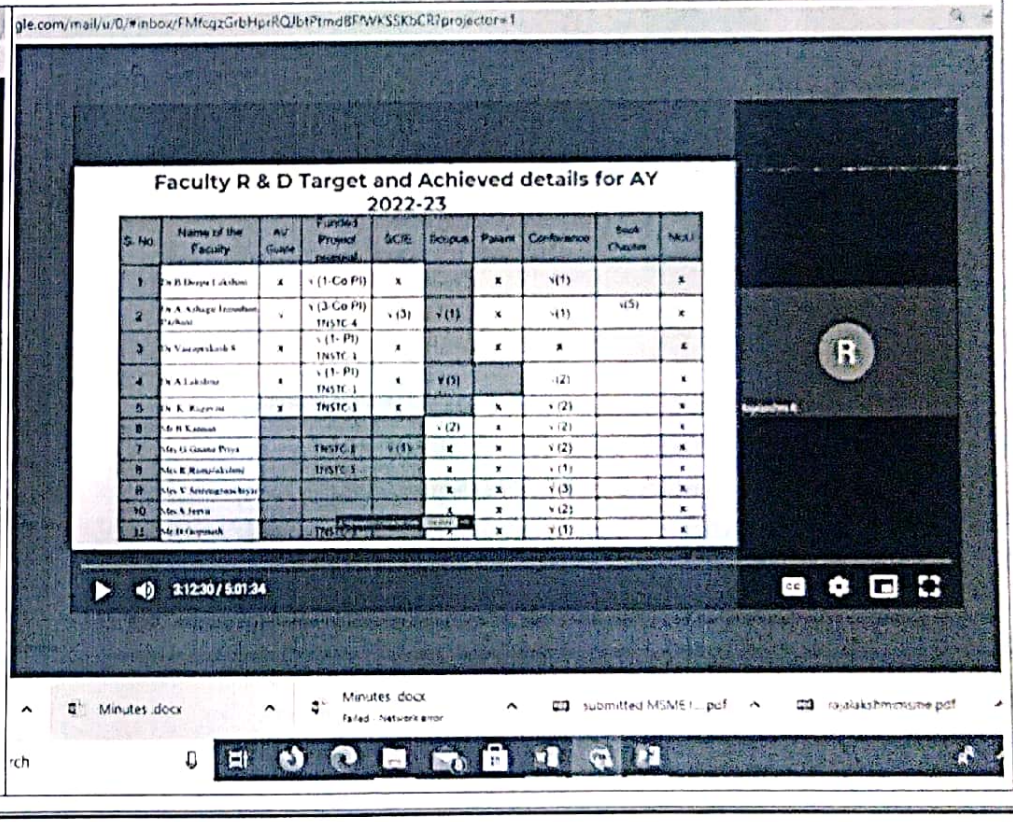

11. Faculty Participations/Performance Awards and Achievements – Faculty Members **(by Mr.D.Gopinath, AP/ECE)**

- Faculty Details & Faculty Participation
- IUCEE –International Engineering Educator Certification Program (IIEECP)
- Faculty as Resource Person within RIT & outside RIT
- Performance Appraisal, Awards and Achievements

Points Delivered by the Faculty Members	Suggestions were given by DAC Members	Remarks with Target Date and Responsibility
• Presented Faculty strength details for academic Year 2021-2022. • Presented the statistics about faculty participation in FDP / STTP / Webinar (State / National / International Level). • Provided the detail about additional Sabbatical training, IUCEE certification course completed by the faculty members. • Presented the Faculty acted as Resource person within RIT and outside RIT • Elaborated Faculty Performance Appraisal details and procedures. • Presented the Faculty members' Awards and Achievements.	• The DAC members suggested to attend FDP and training programs organized by IITs and NITs. • The DAC members suggested to participate domain specific training in Top organizations.	**Remarks:** • For Suggestion 1: Faculty members can be attended ATAL FDPs in Top Institutions. • For Suggestion 2: Faculty members will identify available domain specific training in Top organizations and will be participated in the upcoming year. **Target Date:** Continuous **Responsibility:** All the Faculty Members

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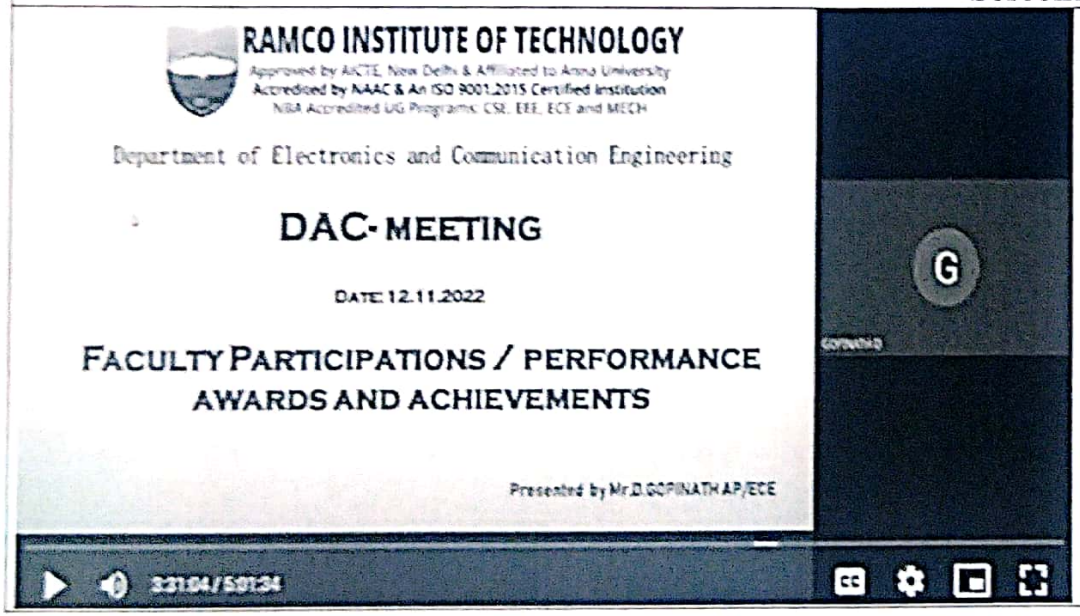

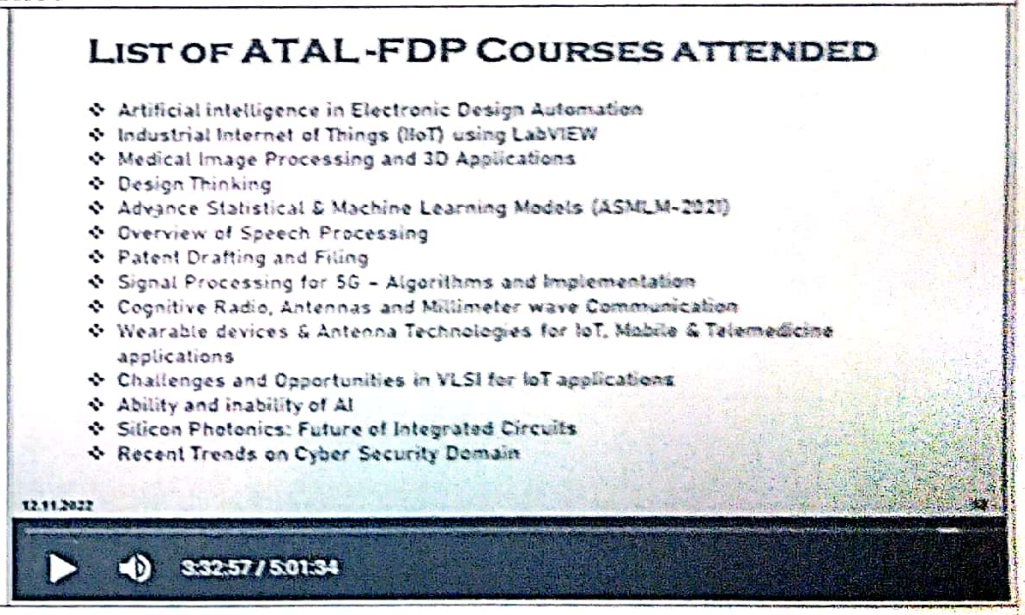

12. Laboratory Utilization and Additional Facility Utilization **(by P.Venkatesh, AP/ECE)**

Points Delivered by the Faculty Members	Suggestions were given by DAC Members	Remarks with Target Date and Responsibility
• Explained about all the laboratories available in the department and its utilization in every semester • Explained about all the components available other than curriculum requirements available in each lab, their count and established year • Explained the various project related events and activities conducted and attended for transforming the projects into proposals, patents, product using the facilities available in the lab • Explained about various online courses, value added courses, department level, college level and national level courses conducted and attended by faculty members and students along with their outcomes which shows the laboratory utilization. • Explained about research oriented impacts and outcomes such as publications and conferences, establishment of modernised communication laboratory under AICTE-MODROB scheme and its utilization in conducting an FDP • Explained about the interdisciplinary utilization and other department utilization of the various facilities available in the department	• The DAC members suggested to represent online courses in terms of percentage rather than count	**Remarks:** • Representation in terms of percentage shall be carried out in the upcoming DAC presentation **Target Date:** Upcoming DAC meeting

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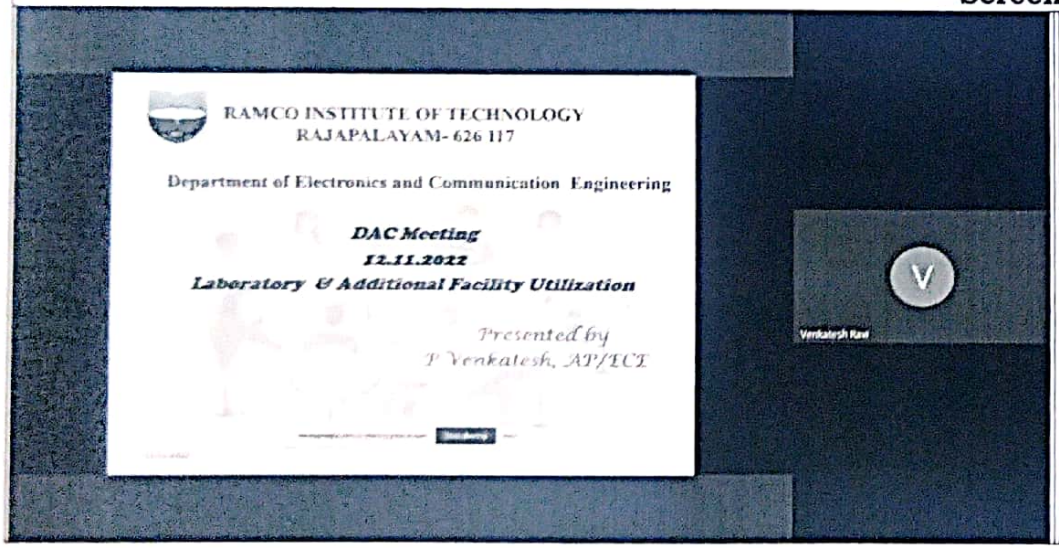

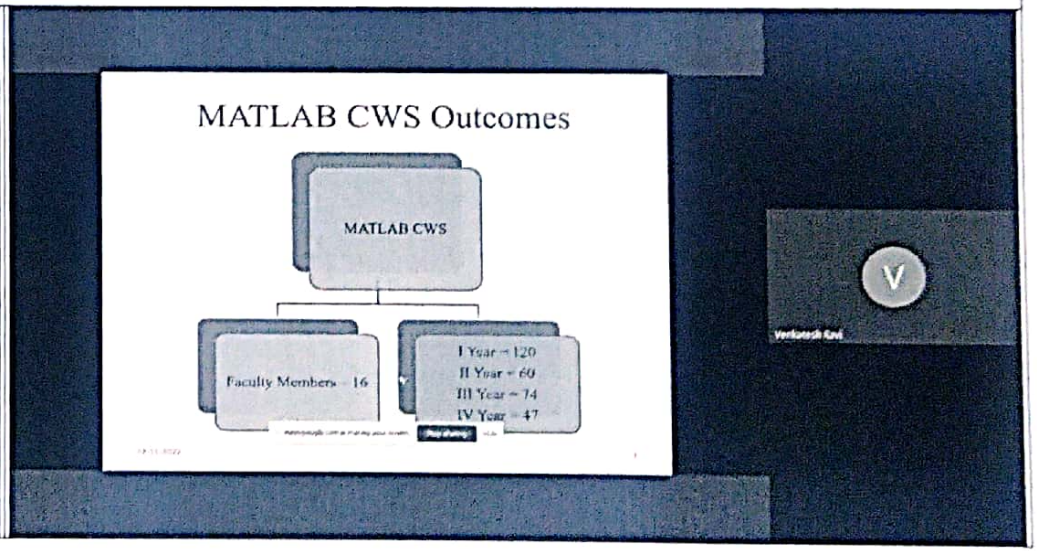

13. EDC, IIC, NISP Progress, Extra-curricular Activities and Mentoring **(by Mr.P.Gunasekaran, AP/ECE & Mr.LK.Balaji Vignesh, AP/ECE**

- RIT IIC & EDC
- NISP
- Students Participation in Extra curricular Activities
- Notable Achievements
- Mentoring

Points Delivered by the Faculty Members	Suggestions were given by DAC Members	Remarks with Target Date and Responsibility
• Discussed the RIT IIC, EDC and NISP related events organized details • Presented about Students Participation in Extracurricular Activities, Notable Achievements, and Effectiveness of Mentoring	• DAC members insisted to conduct activities related to Entrepreneurship and IPR • DAC members suggested to increase the outside participations (Other State).	**Remarks:** • Faculty in charges are requested to take steps to implement the suggestions **Target Date:** May 2023 **Responsibility:** Tessolve semiconductor training in-charge

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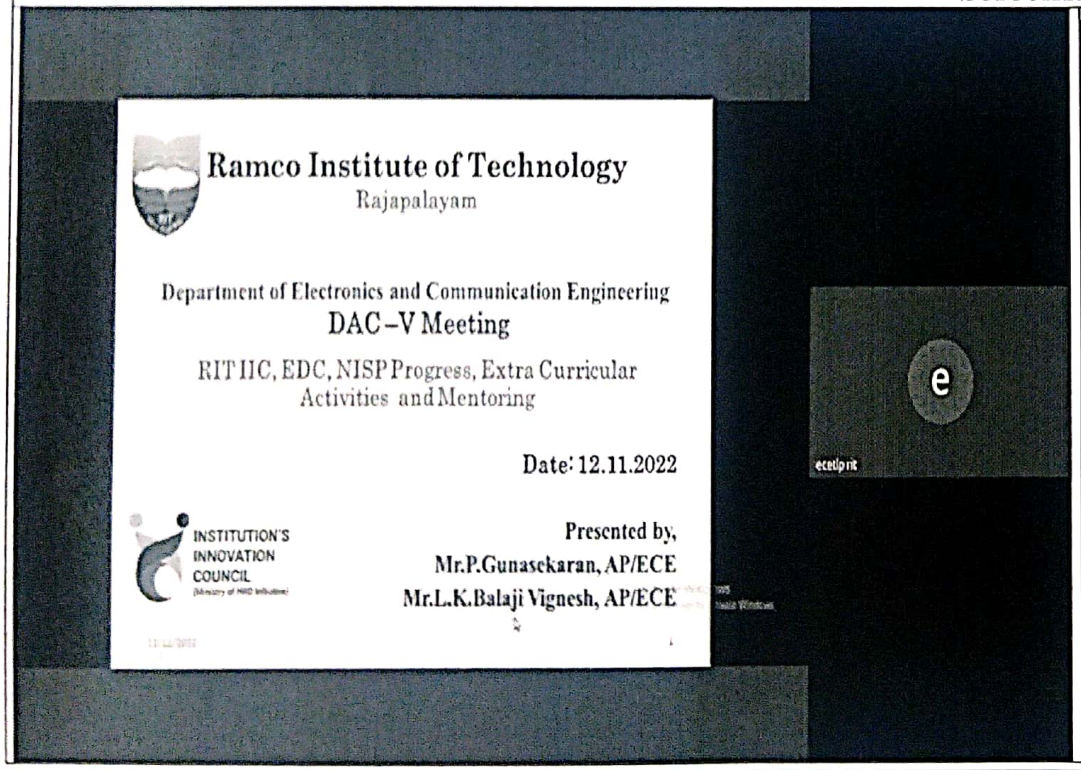
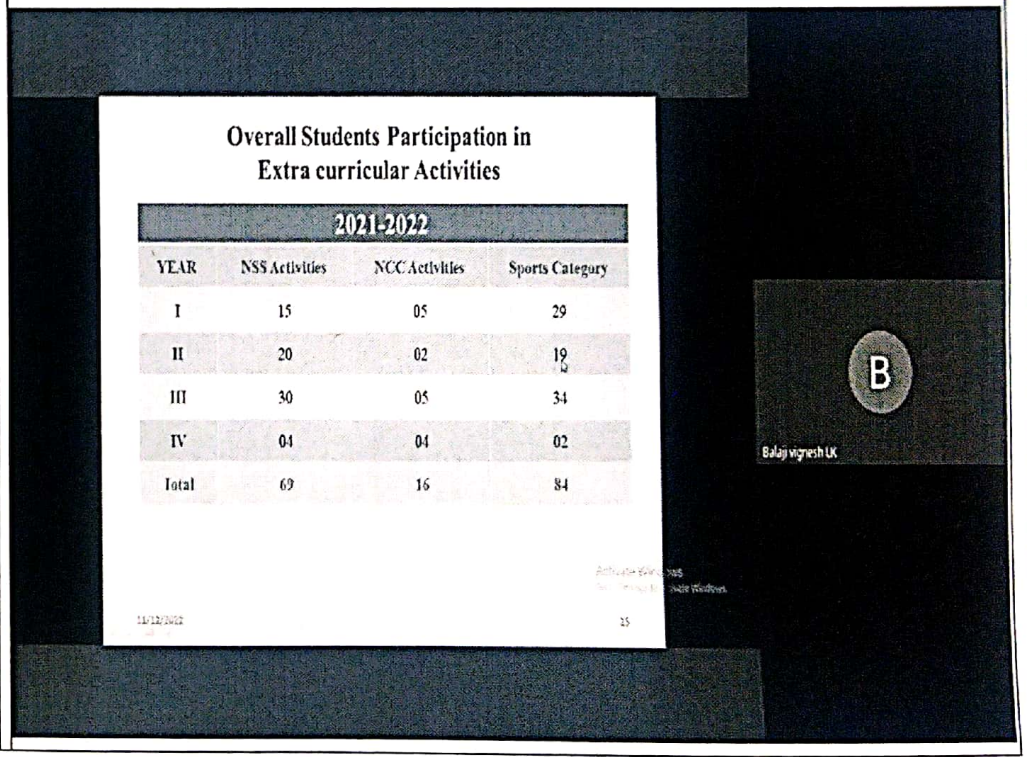




14. Online Courses (Faculty Members & Students)		(by Mr.A.Rameshbabu, AP/ECE & Mrs.G.Subhashini, AP/ECE)
Points Delivered by the Faculty Members	**Suggestions were given by DAC Members**	**Remarks with Target Date and Responsibility**
• Details of student and Faculty online courses for the academic year 2021 to 2022 Odd & Even semesters.	• The DAC members suggested increase the student count of online courses. • Suggested faculties to take online courses through NPTEL	**Remarks:** • Make Students to do more Online courses in the platforms like Coursera, Edx, Mathworks, Udemy & Great Learning. • Requested to enrol in teaching and learning training programmes developed by the Tamilnadu government and carried out by Government College Tirunelveli **Target Date:** May 2023 **Responsibility:** Mr.A.Rameshbabu, AP/ECE Mrs.G.Subhashini, AP/ECE

Screenshot

Students Online Course Details

II Year ECE

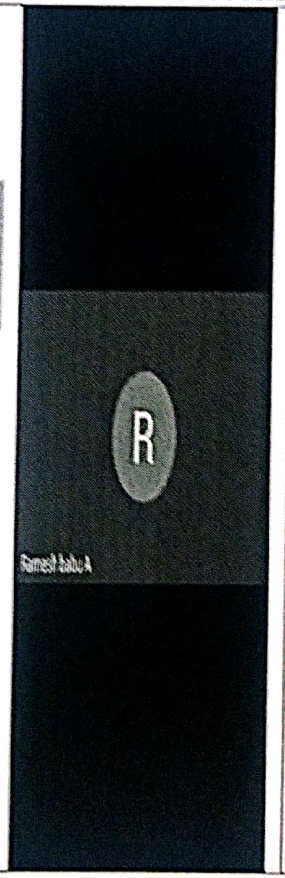
Online Course Platform	Number of Courses Completed
CISCO	02
Coursera	04
Great Learning	06
MathWorks	09
SkillUp	01
TrainIndia	01

III Year ECE

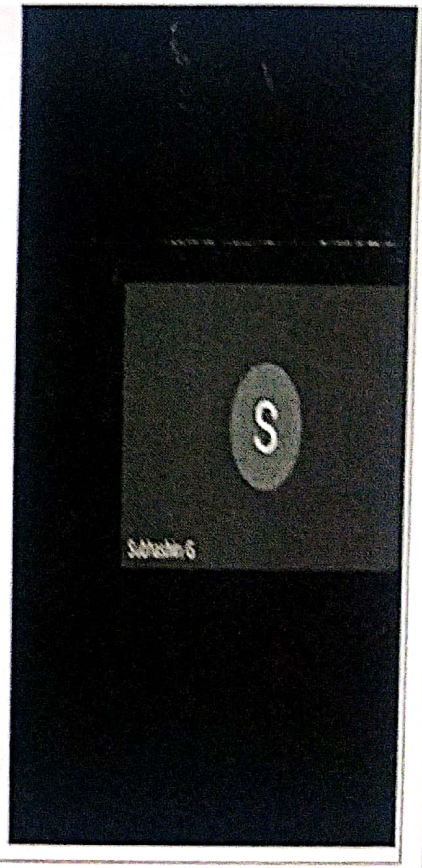
Online Course Platform	Number of Courses Completed
Udemy	04
Celonis Academy	01
Coursera	04
Imarticus	01
MathWorks	05
SkillRack	03
SkillUp	01
TrainIndia	01

IV Year ECE

Online Course Platform	Number of Courses Completed
CISCO	02
MathWorks	05





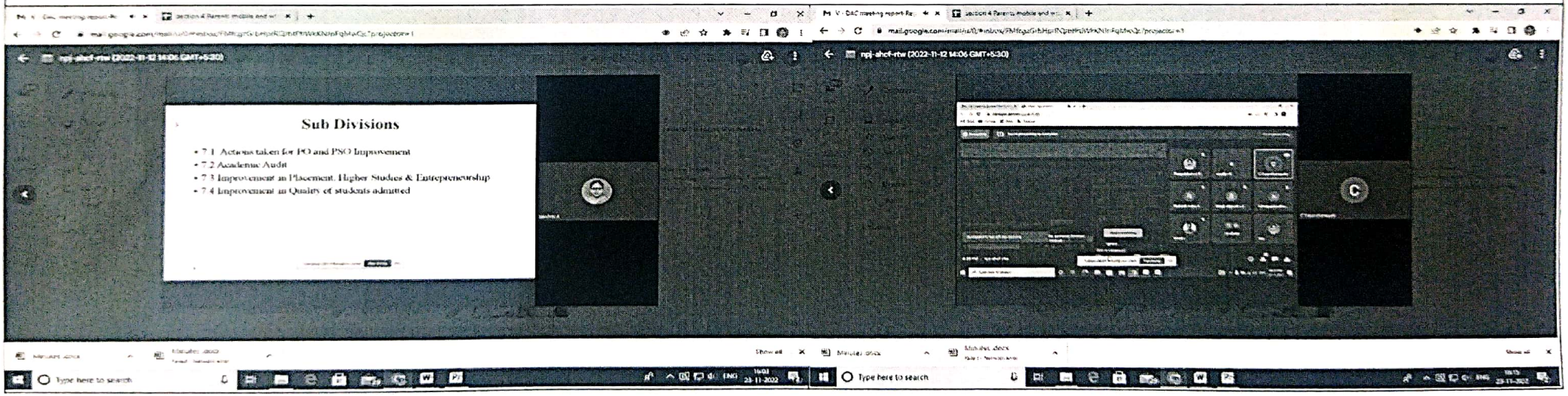


15. Continuous Improvement **(by Dr.A.Lakshmi, ASP/ECE)**

- Actions taken for PO and PSO Improvement
- Academic Audit
- Improvement in Placement, Higher Studies & Entrepreneurship
- Improvement in Quality of students admitted

Points Delivered by the Faculty Members	Suggestions were given by DAC Members	Remarks with Target Date and Responsibility
• Shown the sample of action taken for PO and PSO improvement. For PO11- Project Management and Finance the students are encouraged to participate in the ideathon, Hackathon, Project competition etc., Students submitted proposal to MSME,FAER, TNCST, Onion grand challenge. • Regarding Academic audit, the expert members from Premium institutions are invited for audit. Apart from that we had internal and external ISO audit. • Regarding improvement in Placement activities, separate hours has been allotted in time table from II year onwards to focus on placement drive and company specific training. Training related with higher studies opportunities in india and abroad aswell as enterprenaurship related training also conducted. • Various motiavational programs, ISTE- Ramanujam Maths Quiz competition and campus visit were conducted to attract more students.	• The DAC members suggested to constitute committee with academic member, domain specific and common Convener for Academic audit. • The suggesstions of the audit should be displayed in website.	**Remarks:** • For Suggestion 1: After discussion with higher officials it will be reframed • For Suggestion 2: The audit reports minutes of IQAC and ISO are displayed in the website. **Target Date:** May 2022 **Responsibility:** Faculty Members

Screenshot

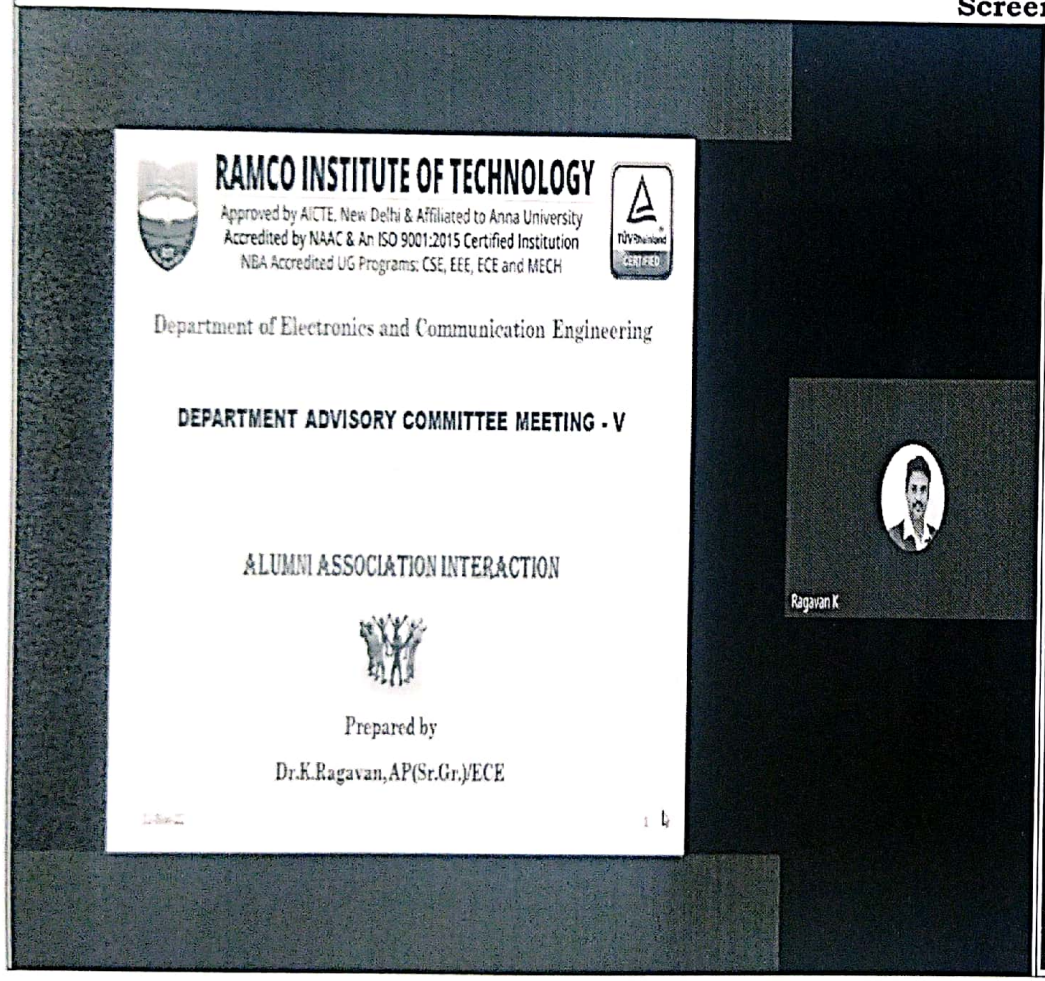


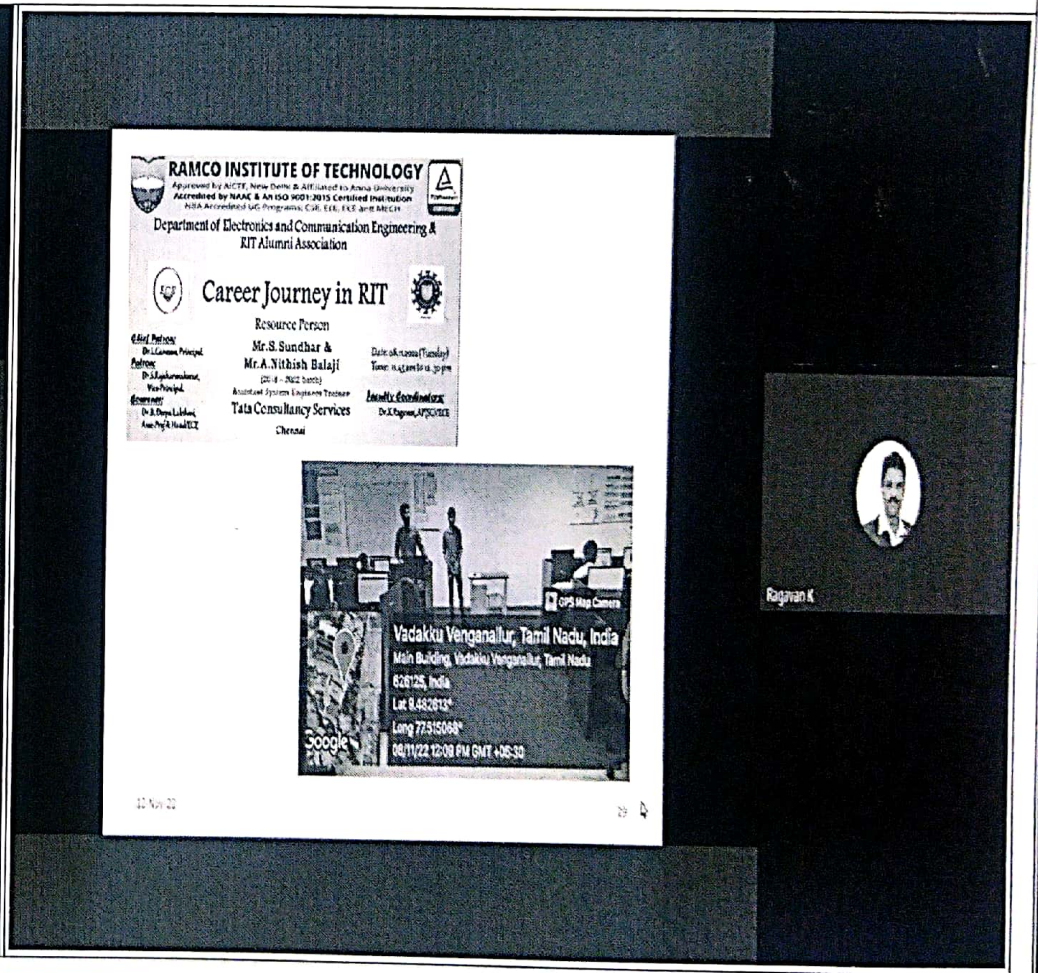
16. Alumni Association Interaction

(by Mr.K.Ragavan, (Sr. Gr.)AP/ECE)

Points Delivered by the Faculty Members	Suggestions were given by DAC Members	Remarks with Target Date and Responsibility
• Explained the extended support of alumni in the national conference, webinars/guest lectures, placement training, workshops, value-added courses, student's projects as reviewers, and DAC meetings as members.	• Nil	**Remarks:** • Planned to invite more alumni for placement traning and to motivate the students. **Target Date:** Continuous **Responsibility:** The placement coordinator

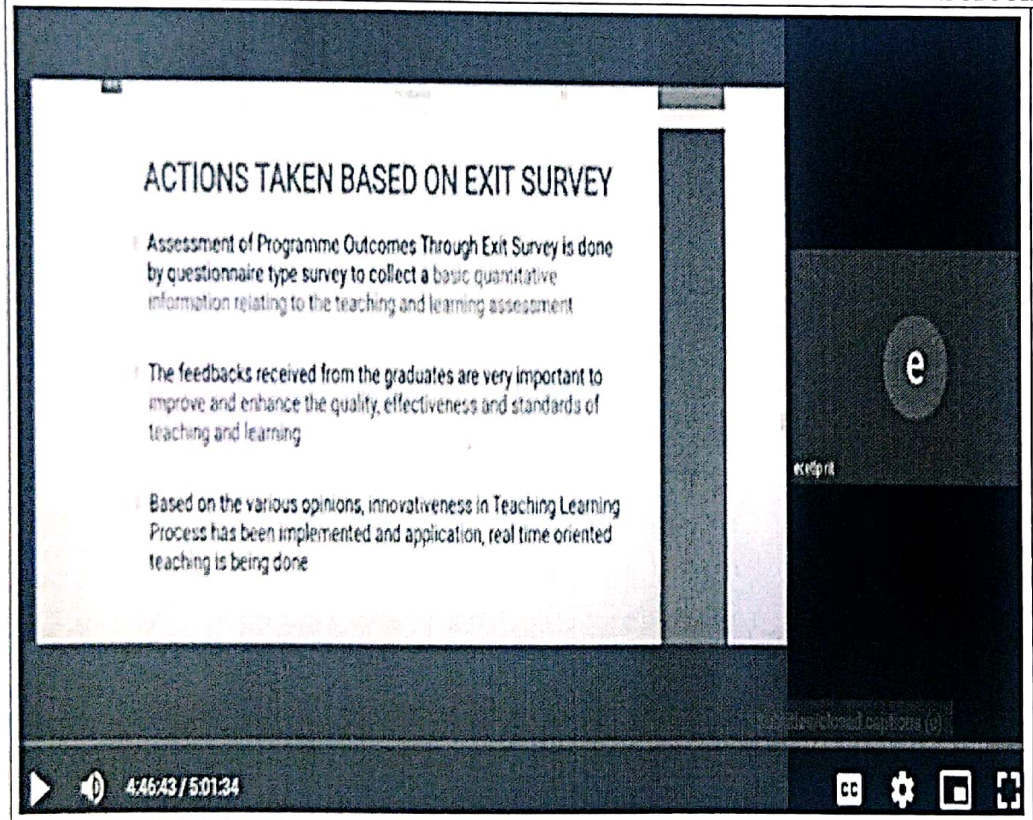
Screenshot

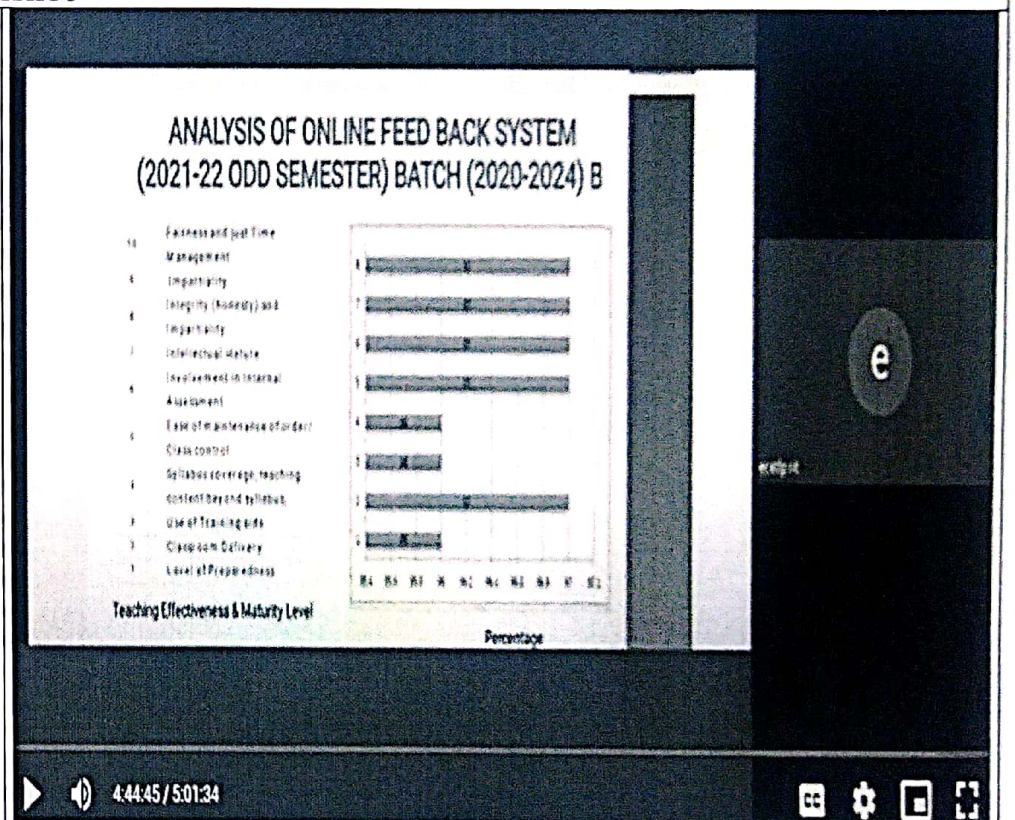




17. Stack Holders Feedback Analysis: Students/Parents/Alumni/Recruiters		(by Mrs.R.Ramalakshmi, AP/ECE)
Points Delivered by the Faculty Members	**Suggestions were given by DAC Members**	**Remarks with Target Date and Responsibility**
• The stakeholder's (Students, Parents, Alumni, Recruiters) feedback system and analysis were explained in detail. • Actions taken based upon the suggestions and feedback received from the stakeholders were explained in detail.	• The DAC members suggested to implement and take action against the feedback received from the various stakeholders.	**Remarks:** • Most of the suggestions and feedback received from the stakeholders are already implemented and yet to implement the other suggestions and feedback in this academic year. **Target Date:** December 2022 **Responsibility:** Students, Parents, Alumni, Recruiters, Faculty Members, HOD.

Screenshot

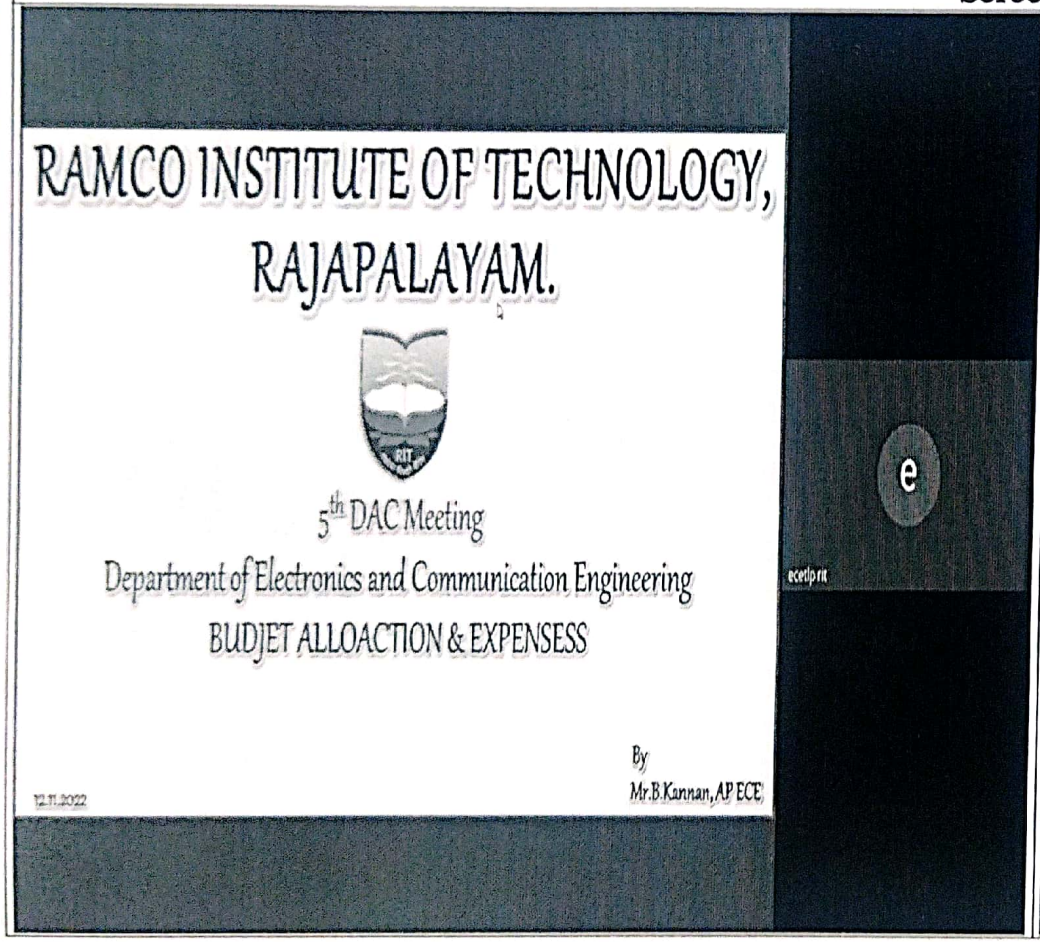


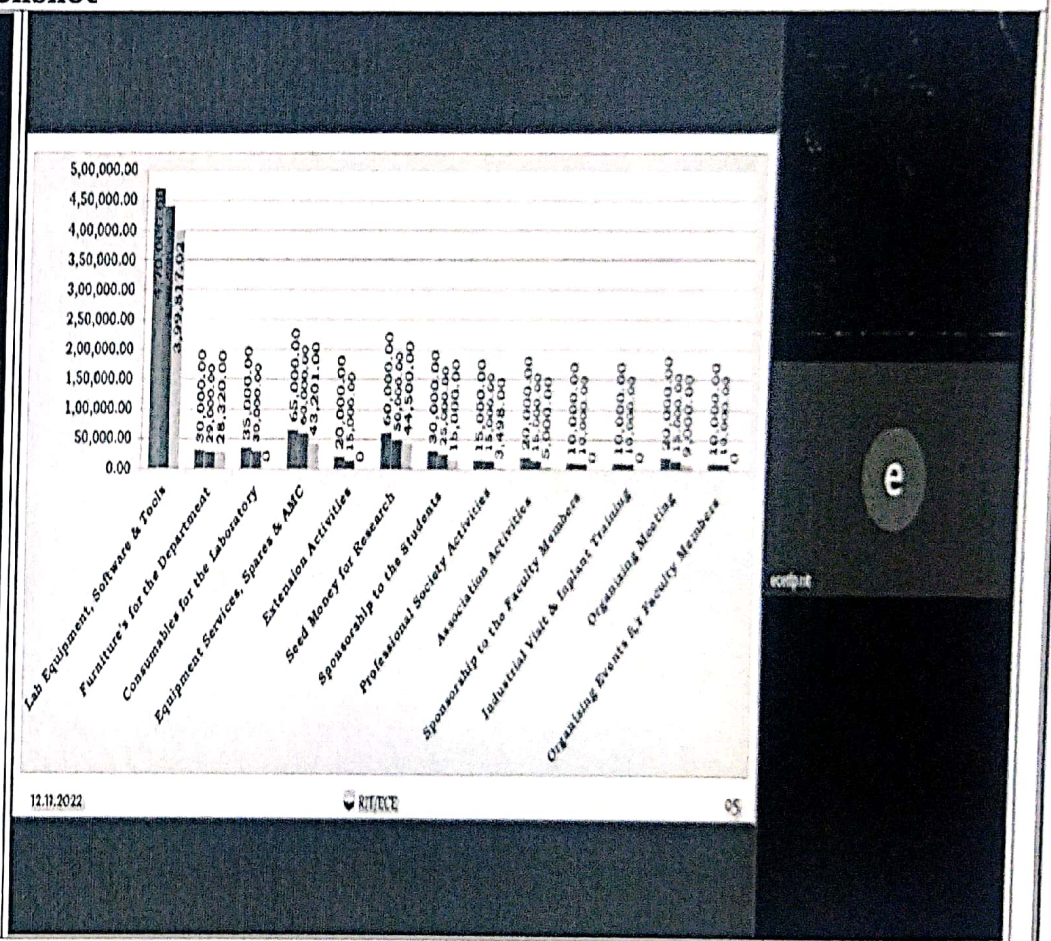


18. Department Budget Allocation & Expenses (by Mr.B.Kannan, AP(Sr. Gr.)/ECE)

Points Delivered by the Faculty Members	Suggestions were given by DAC Members	Remarks with Target Date and Responsibility
• Explained the adequacy of budget allocation and utilisation of allocated funds for the academic years 2021 and 2022. • The budget allocation for the academic year 2022-2023 was explained.	• The DAC members suggested improving the adequacy of budget allocation and the utilisation of allocated funds for the academic year 2021–2022.	**Remarks:** • For Suggestion 1: Planned to utilize the allotted amount under the various head to achieve the utilization percentage above 90%. **Target Date:** April 2023 **Responsibility:** Budget Co-ordinator, In-charges, and HOD/ECE

Screenshot





Suggestions provided by the DAC members a summary.

- A departmental action plan for every academic year needs to be prepared.
- Best practises and the contributions of departments to institution development need to be identified.
- Students require more emphasis on skill training in their core domain, as well as industry interaction.
- Faculty competence (research skills), external interaction with higher-level institutions and universities (national and international), and industry.
- Asked to try out for the IEEE student chapter.
- The DAC members suggested checking the correlation of department vision and mission with the college vision and mission.
- DAC members insisted on providing the GATE exam attended and cleared student list with marks and the Tessolve training attended and cleared student list. Members of the DAC proposed providing quantitative data for all activities carried out.
- The DAC members suggested incorporating the identification of curriculum gaps with PO attainment.
- The complexity level of the question paper is to be evaluated by the domain coordinator and the department head when evaluating the quality of the question paper.
- A committee may be formed to identify slow learners and bright students, and improvement should be measured.
- Encourage bright students to participate in hackathons, idea generation, product development activities, etc.,
- To form a committee, including academic and industry experts to classify the best and average projects.
- Encourage students to do projects in MOU-signed industries and publish papers in indexed conferences.
- Asked to prioritise target setting, CO and PO mapping, and to include the percentages of all pass students.
- The DAC members suggested incorporating the IEEE society into our college and making the students and faculty members become members of IEEE.
- Each event organised by a professional society should have a participation count.
- Members of the DAC proposed expanding outside participation (other states).
- Suggested faculties to take online courses through NPTEL.
- The DAC members suggested constituting a committee with academic members, domain-specific members, and a common convener for academic audit. The suggestions of the audit should be displayed on the website.
- The DAC members suggested implementing and taking action against the feedback received from the various stakeholders.
- The DAC members suggested improving both the adequacy of budget allocation and the utilisation of allocated funds for the academic year 2021–2022.

Prepared by: 12.12.2022

Verified by: 31/12/22 HOD

Approved by: 21.12.22

Copy to: 1) Circulate among all members for needful action.
2) File

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Department of Computer Science and Engineering

Academic Year: 2022- 2023 (Odd Semester)

Class Committee

Class: I Semester B.E. CSE-B Date: 03.12.2022

Chair Person: Dr.S.Erana Veerappa Dinesh

Class Adviser: Mr.K.Vignesh Saravanan

Faculty members:

1. Dr. M. Anand
2. Dr.R.Subasree
3. Dr.G.Selvaraj
4. Mr.T.Selva Ganesh
5. Dr. T. Vigneswari
6. Dr. G. Kanthimathi
7. Mrs.M.Swarna Sudha
8. Mrs.K.Jeyageetha
9. Dr.P.Thiruramanathan
10. Dr.O.Senthil Kumar

Student Representatives:

1. M Arunkumar
2. Hemapriyah K M
3. Nesamanikandan S
4. Indhumathi R
5. Vignesh R
6. Kavya Srinidhi B

3/12/22
Class Adviser

31/12/2022
HOD

5 12 22
Principal

RAMCO INSTITUTE OF TECHNOLOGY

Department of Computer Science and Engineering
Academic Year: 2022-2023 (Odd Semester)

RIT/CSE/CCM/2022-2023/02

Date: 12.12.2022

CIRCULAR

The **First** class committee meeting for the **I Year B.E. Computer Science and Engineering- 'B'** will be held on **12.12.2022**. All the Faculty members handling the theory and laboratory courses for the above class and student representatives are requested to attend the meeting in **Computer Center I laboratory** at **12.30 PM** without fail.

12/12/22
Chair Person

12/12/2022
HOD

Class Committee Members:
Chair Person: Dr.S.Erana Veerappa Dinesh
Class Adviser: Mr.K.Vignesh Saravanan

S.No	Faculty Members	Course Code & Title	Signature
1.	Dr.M.Anand	Professional English - I	
2.	Dr.R.Subasree	Matrices and Calculus	
3.	Dr. T. Vigneswari	Engineering Physics	
4.	Dr. G. Kanthimathi	Engineering Chemistry	
5.	Mrs.M.Swarna Sudha	Problem Solving and Python Programming	
6.	Mrs.K.Jeyageetha	தமிழர்மரபு /Heritage of Tamils	
7.	Mrs.M.Swarna Sudha & Mr.K.Vignesh Saravanan	Problem Solving and Python Programming Laboratory	
8.	Dr. T. Vigneswari Dr.P.Thiruramanathan Dr. G. Kanthimathi Dr.O.Senthil Kumar	Physics and Chemistry Laboratory	
9.	Dr.M.Anand	English Laboratory	

S.No	Student Members	Signature
1	M Arunkumar (Class representative)	M. Arunkumar
2	Hemapriyah K M (Class representative)	K.M.Hemapriyah.
3	Nesamanikandan S (Dayscholar)	S.Nesamanikandan.
4	Indhumathi R (Dayscholar)	R.Indhumathi
5	Vignesh R (Hosteller)	R.Vignesh
6	Kavya Srinidhi B (Hosteller)	B.Kavya Srinidhi

RAMCO INSTITUTE OF TECHNOLOGY

Department of Computer Science and Engineering

Academic Year: 2022-2023 (Odd Semester)

Minutes of Class Committee Meeting I

Class: I Semester B.E. CSE-'B' **Date & Time: 12.12.2022 & 12.30 PM**

Members present:

Chair Person: Dr.S.Erana Veerappa Dinesh Class Adviser: Mr.K.Vignesh Saravanan

Faculty members:

1. Dr.M.Anand
2. Dr.R.Subasree
3. Dr.T.Vigneswari
4. Dr.G,Kanthimathi
5. Mrs.M.Swarna Sudha
6. Mrs.K.Jeyageetha
7. Dr.P.Thiruramanathan
8. Dr.O.Senthilkumar

Student Representatives:

1. Arunkumar M
2. Hemapriya K M
3. Nesamanikandan S
4. Indhumathi R
5. Vignesh R
6. Kavya Srinidhi B

Points discussed	Target Date	Responsibility	Remarks
1. Chairperson informed the students about the purpose of the Class Committee meeting and asked the student representatives to inform all the matters discussed in the Class committee meetings to all the students. Class committee members should also list out the views of all the students in academic related matters.	Continuous	Class Committee Student Representatives	--
2. Class advisor informed about the dissemination of the following; •Institute Vision, Mission and Quality Policy •Department Vision and Mission •Department Programme Educational Objectives (PEOs) •Programme Outcomes and Programme Specific Outcomes (PSOs)	Continuous	Disseminated by class advisor to students	All students

3. The chairperson discussed the Anna University academic schedule, RIT academic calendar and the dates for the internal assessment tests I and II along with distribution of marks for each IAT.	Continuous	All faculty/ students	-
4. Chairperson ensured the availability of all study materials including Text Books, Question Bank, University Question Papers for all the subjects.	--	All Students and faculty members	Students replied that they received materials for all subjects.
5. The respective course teacher explained the Lecture plan/tutorial plan/Laboratory plan, academic schedule and importance of content beyond syllabus. They also informed the students that it was prepared based on the guidelines and schedule given by the Anna University.	-	All faculty/ students	-
6. All members discussed the Course Outcome and its correlation with Programme Outcomes and Programme Specific Outcomes.	Continuous	All faculty/ students	-
7.The target set for the course and the method for fixing the target were discussed by the chairperson.	Continuous	-	All students and faculty members
8. Chairperson ensured the availability of notebooks, record notebooks, and text books to all students.	Continuous	All Students	Students replied that they have received textbooks, records.
9.Chairperson enquired about the coverage of syllabus and the understanding level of students in each subjects.	--	All Students	Students replied that Unit-II is going on in each subject. Chairperson advised the students to do more practice.
10. Class committee members discussed the various relevant assessment tools which have been practiced in the previous semester for theory and practical courses which are going to be used for this semester.	Continuous	All faculty/ students	-
11.Chairperson informed the students to take part in Symposium, Workshops and Training programs in near-by reputed colleges.	--	All Students	--
12.Dr.G.Kanthimathi advised the students to attend the classes regularly and not to	--	All Students	--

skip the contents while preparing for Internal tests.			
13. Chairperson also enquired about the morning presentation and insist the students to do it effectively.	Continuous	All the students and class advisor	Students replied that presentation is going well
14. Chairpersons insisted the students to give more importance to tutorials and assignments.	---	All Students	--
15. Class advisor and the faculty members advised the students to maintain discipline both inside and outside the campus.	Continuous	All Students	-
16.Chairperson enquired about online course and insist the students to do online courses from reputed university and also discussed the importance of online courses.	Continues	All students.	Students assured that they will do. All students already completed at least one course in Infosys springboard, Great Learning platforms.
17.Chairperson asked the students to prepare Unit Test and Internal Assessment Tests, advised them to take test seriously.	Continuous	--	--
18.Chairperson informed the students, if there are any grievances/ suggestions, the student can approach the concerned faculty/ class advisor / HOD for remedy, and they need not wait until the class committee meeting to be conducted.	Continuous	All students	-

Plan for Next Meeting/ Follow-up in the Meeting

1. Internal Assessment Test-I Performance
2. Online course completion status
3. Co-curricular/ Extra Curricular Participation.

Prepared by:	Reviewed by:	Verified by:	Approved by:
24/12/22	27/12/22	28/12/22	28/12/22
Dr.S.Erana Veerappa Dinesh, AP/CSE	Academic Coordinator (R-2021)	HOD	Principal

Copy circulated among all members of Class Committee
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RAMCO INSTITUTE OF TECHNOLOGY

Department of Computer Science and Engineering
Academic Year: 2022-2023 (Odd Semester)

RIT/CSE/CCM/2022-2023/04

Date: 06.02.2023

CIRCULAR

The **Second** class committee meeting for the **I Year B.E. Computer Science and Engineering- 'B'** will be held on **08.02.2023**. All the Faculty members handling the theory and laboratory courses for the above class and student representatives are requested to attend the meeting in **Computer Center II laboratory** at **12.30 PM** without fail.

06/02/23
Chair Person

HOD

Class Committee Members:
Chair Person: Dr.S.Erana Veerappa Dinesh
Class Adviser: Mr.K.Vignesh Saravanan

S.No	Faculty Members	Course Code & Title	Signature
1.	Dr.M.Anand	Professional English - I	
2.	Dr.R.Subasree	Matrices and Calculus	
3.	Dr. T. Vigneswari	Engineering Physics	
4.	Dr. G. Kanthimathi	Engineering Chemistry	
5.	Mrs.M.Swarna Sudha	Problem Solving and Python Programming	
6.	Mrs.K.Jeyageetha	தமிழர்மரபு /Heritage of Tamils	
7.	Mrs.M.Swarna Sudha & Mr.K.Vignesh Saravanan	Problem Solving and Python Programming Laboratory	
8.	Dr. T. Vigneswari Dr.P.Thiruramanathan Dr. G. Kanthimathi Dr.O.Senthil Kumar	Physics and Chemistry Laboratory	
9.	Dr.M.Anand	English Laboratory	

S.No	Student Members	Signature
1	M Arunkumar (Class representative)	
2	Hemapriyah K M (Class representative)	
3	Nesamanikandan S (Dayscholar)	
4	Indhumathi R (Dayscholar) (Kavya.V)	
5	Vignesh R (Hosteller)	
6	Kavya Srinidhi B (Hosteller)	

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NBA Accredited UG Programs: CSE, EEE, ECE and MECH

Department of Computer Science and Engineering
Academic Year: 2022- 2023 (Odd Semester)
Minutes of Class Committee Meeting II

Class: I Semester B.E. CSE 'B' **Date & Time: 08.02.2023 & 12.30 PM**

Members present:

Chair Person: Dr.S.Erana Veerappa Dinesh Class Adviser: Mr.K.Vignesh Saravanan

Faculty members:

1. Dr.M.Anand
2. Dr.R.Subasree
3. Dr.T.Vigneswari
4. Dr.G.Kanthimathi
5. Mrs.M.Swarna Sudha
6. Mrs.K.Jeyageetha
7. Dr.P.Thiruramanathan
8. Dr.O.Senthilkumar

Student Representatives:

1. Arunkumar M
2. Hemapriya K M
3. Nesamanikandan S
4. Indhumathi R
5. Vignesh R
6. Kavya Srinidhi B

Points discussed	Target Date	Current Status	Responsibility
1. Chairperson welcomed the members for the second class committee meeting and advised the students to inform all the matters discussed in the class committee meetings to all the students during leisure time.	Continuous	-	Class Committee Student Representatives
2. Chairperson discussed the IAT-I performance with the Class Adviser and students. The pass percentage of the subjects HS3151- 63.8%, MA3151- 55.2%, PH3151- 70.7%, CY3151- 70.7%, GE3151- 77.6%	Continuous	Overall pass percentage 43.1%	All Students and faculty members
3. The chairperson informed the students about the test attainment level and advised them to score higher than 90% in every subjects.	Continuous	Test Attainment Level HS3151- 1, MA3151- 0, PH3151- 2, CY3151- 2, GE3151- 2	All Students and faculty members
4. The chairperson asked the students how they were preparing for the assessment and then discussed the low performance on IAT-1. Some students shared information regarding their final preparation and study.	Continuous	--	All Students
5. The chairperson highlighted the significance of daily preparation, and the students guaranteed that they will study regularly by requesting topics from relevant	Continuous	--	Class Committee Student Representatives

faculty members without fail.			
6. The chairperson asked about the feedback submission and talked about how important feedback is for ongoing improvement.	Continuous	Class adviser responded that the students would finish the feedback in a week.	Class Committee Student Representatives
7. Chairperson enquired about the coverage of syllabus and the understanding level of students in each subjects. The students requested for conducting Unit test for revising the portions	Continuous	4 unit completed & Unit test will also be conducted within 2 weeks	All Students and faculty members
8. The chairperson asked about grievances specific to that course. Every course, as stated by the students, is going well.	Continuous	Students responded that they could understand subjects.	All Students
9. The chairperson asked if the lab exercise and record were finished, and she advised the students to behave properly in the laboratory.	Continuous	Faculties responded that the students were submitting records properly.	All Students
10. The chairperson advised the students to prepare properly for IAT II and also ensured that all study materials, including a question bank, notes, and university test questions for every subject, were available in the learning management system.	Continuous	--	All Students
11. Chairperson enquired about assessments methods the Assignment, Tutorial, Quiz given and ensured the students timely submission from course handling faculty.	Continuous	Students responded that individual assignments were given and they submitted them on time.	All Students
12. Chairperson discussed about the importance of self-learning and team learning and discussed the advantages of the both and insisted the students to identify the learning ability of individual and adopt for the same.	Continuous	--	All Students
13. Course handling faculties discussed about the innovative practices carried out during the class and discussed about the learning abilities of the students.	Continuous	--	All Students
14. The chairperson insisted the students to come regularly to the class to maintain the	Continuous	--	All Students

attendance and informed the students to go through the attendance on the noticeboard.			
15. Chairperson encouraged the students to participate inter college events.	Continuous	--	All Students
16. Chairperson enquired about online course and insists the students to do online courses and enrich the knowledge in area of interest.	Continuous	Pursuing online courses from Infosys Springboard, Udemy, Great Learning Academy.	All Students
17. Chairperson discussed about the awareness of Career guidance and also insisted the students to participate the event organized by Career guidance cell.	Continuous	--	All Students
18. Student participation in professional society events and Department Newsletter contributions were encouraged by the class adviser.	Continuous	Students agreed to participate.	All students
19. Chairperson informed the students, if there are any grievances/ suggestions, the student can approach the concerned faculty/ class advisor / HOD for remedy, and they need not wait until the class committee meeting to be conducted.	Continuous	--	All Students
20. Students in the ladies hostel were informed that proper room cleaning and waste disposal were required in the hostel.	--	Informed to Care taker	Girls students
21. Chairperson advised the students to do hard work and motivated them to write upcoming Internal Assessment Test II well.	Continuous	--	All Students
22. Students expressed that every course is going on smoothly and also assured that they will improve in the coming Internal Assessment Test II.	Continuous	--	All Students

Plan for Next Meeting / Follow-up in the Next Meeting

1. Internal Assessment Test-II Performance
2. Co-Curricular/ Extra Curricular Participation

Prepared by:	Reviewed by:	Verified by:	Approved by:
23/12/23	23/12/23	23/12/2023	23/12/23
Dr.S.Erana Veerappa Dinesh, AP/CSE	**Academic Coordinator (R-2021)**	**HOD**	**Principal**

Copy circulated among all members of Class Committee
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RAMCO INSTITUTE OF TECHNOLOGY

Department of Computer Science and Engineering
Academic Year: 2022-2023 (Odd Semester)

RIT/CSE/CCM/2022-2023/ Date: 24.03.2023

CIRCULAR

The **Third** class committee meeting for the **I Year B.E. Computer Science and Engineering- 'B'** will be held on **25.03.2023**. All the Faculty members handling the theory and laboratory courses for the above class and student representatives are requested to attend the meeting in **Computer Center I laboratory** at **12.40 PM** without fail.

24/03/23
Chair Person

24/3/2023
HOD

Class Committee Members:
Chair Person: Dr.S.Erana Veerappa Dinesh
Class Adviser: Mr.K.Vignesh Saravanan

S.No	Faculty Members	Course Code & Title	Signature
1.	Dr.M.Anand	Professional English - I	
2.	Dr.R.Subasree	Matrices and Calculus	R. Subasree
3.	Dr. T. Vigneswari	Engineering Physics	T. Vigneswari
4.	Dr. G. Kanthimathi	Engineering Chemistry	
5.	Mrs.M.Swarna Sudha	Problem Solving and Python Programming	S. Sudha 24/3
6.	Mrs.K.Jeyageetha	தமிழர்மரபு /Heritage of Tamils	K. 24/3/23
7.	Mrs.M.Swarna Sudha & Mr.K.Vignesh Saravanan	Problem Solving and Python Programming Laboratory	S. Sudha 24/3 24/3/23
8.	Dr. T. Vigneswari Dr.P.Thiruramanathan Dr. G. Kanthimathi Dr.O.Senthil Kumar	Physics and Chemistry Laboratory	T. Vigneswari P. Thiru 24/3/23 24/3/23
9.	Dr.M.Anand	English Laboratory	

S.No	Student Members	Signature
1	M Arunkumar (Class representative)	
2	Hemapriyah K M (Class representative)	K.M. Hemapriyah.
3	Nesamanikandan S (Dayscholar)	
4	Indhumathi R (Dayscholar)	R. Indhu
5	Vignesh R (Hosteller)	Vignesh
6	Kavya Srinidhi B (Hosteller)	B. Kavya Srinidhi

RAMCO INSTITUTE OF TECHNOLOGY

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Department of Computer Science and Engineering
Academic Year: 2022- 2023 (Odd Semester)
Minutes of Class Committee Meeting III

Class: I Semester B.E. CSE -'B' **Date & Time: 25.03.2023 & 12.40 PM**

Members present:

Chair Person: Dr.S.Erana Veerappa Dinesh Class Adviser: Mr.K.Vignesh Saravanan

Faculty members:

1. Dr.M.Anand
2. Dr.R.Subasree
3. Dr.T.Vigneswari
4. Dr.G.Kanthimathi
5. Mrs.M.Swarna Sudha
6. Mrs.K.Jeyageetha
7. Dr.P.Thiruramanathan
8. Dr.O.Senthilkumar

Student Representatives:

1. Arunkumar M
2. Hemapriya K M
3. Nesamanikandan S
4. Indhumathi R
5. Vignesh R
6. Kavya Srinidhi B

Points discussed	Target Date	Current Status	Responsibility
1. The Chairperson welcomed the attendees to the third class committee meeting and asked the student representatives to relay the information discussed to the rest of the students.	Continuous	-	Class Committee Student Representatives
2. Chairperson discussed the IAT-II performance with the Class Adviser and students. The pass percentage of the subjects HS3151- 82.8%, MA3151- 1.7%, PH3151- 43.1%, CY3151- 56.9%, GE3151- 24.1%	Continuous	Overall pass percentage 1.7%	All Students and faculty members
3. The chairperson informed the students about the test attainment level and advised them to score higher than 90% in every subjects.	Continuous	Test Attainment Level HS3151-3, MA3151-0, PH3151-0, CY3151-0, GE3151-0	All Students and faculty members
4. The pass percentage for IAT II was reviewed and it compared to with IAT I. The pass percentage of the subjects in IAT I HS3151- 63.8%, MA3151- 55.2%, PH3151- 70.7%, CY3151- 70.7%, GE3151- 77.6%.	Continuous	The subjects HS3151, PH3151 pass percentage improved.	All Students and faculty members
5.Chairperson enquired about the status of syllabus completion and content beyond the syllabus.	Continuous	5 units completed	All Students and faculty members

6.The chairperson queried about the lab exercise and record completion, and she advised the students to prepare well for university laboratory.	Continuous	Faculties responded that the students were submitting records properly.	All Students
7.Class adviser discussed about the importance of self-learning and team learning and discussed the advantages of the both and insisted the students to identify the learning ability of individual and adopt for the same.	Continuous	--	All Students
8.The class adviser highlighted the significance of daily preparation, and the students guaranteed that they will study regularly and score good marks in university exam.	Continuous	--	Class Committee Student Representatives
9.The effectiveness of mentoring was discussed, and it was noted that faculty members discussed with their mentees about their performance and participation about inter and intra college.	Continuous	--	All Students and Mentors
10.The chairperson encouraged the students to review their course materials thoroughly, including notes, textbooks, and any supplementary materials provided by the instructor, and informed them to manage their time effectively and to allocate enough time to each subject to ensure they have covered all the material before the university exams.	Continuous	-	All Students
11.The Chairperson informed about the advantages of doing Internship and also asked about the status of internship.	Continuous	The class adviser replied that students planned to go on internships during semester holidays.	All Students
12.The chairperson informed about the importance of Course End Survey and Curriculum Feedback and also informed the students to give comments if any identification in curriculum gap.	Continuous	Class adviser responded that the students would finish the feedback in a week.	All Students
13. The chairperson asked the class advisor about the conduct of the PTA meeting. The class advisor informed that the meeting was planned to be conducted in the 2nd semester.	--	--	All Students and Class Advisor

14. The chairperson inquired about online courses, and the class advisor informed that all 58 students had completed at least one online course. The chairperson congratulated the students for their self-learning and knowledge enhancement.	Continuous	58 students completed.	All Students
15. Chairperson informed the students, if there are any grievances or suggestions, the student can approach the concerned faculty or Class Adviser or HOD for remedy, and they need not wait until the class committee meeting to be conducted.	Continuous	--	All Students
16. Chairperson advised the students to do hard work and motivated them to write well in university exam.	Continuous	--	All Students

Prepared by:	Reviewed by:	Verified by:	Approved by:
Dr.S.Erana Veerappa Dinesh, AP/CSE	Academic Coordinator (R-2021)	HOD	Principal

Copy circulated among all members of Class Committee
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Department of Computer Science and Engineering

Academic Year: 2022- 2023 (Even Semester)

Class Committee

Class: II Semester B.E. CSE-B Date: 12.05.2023

Chair Person: Ms.P.Jothi Thilaga

Class Adviser: Mr.K.Vignesh Saravanan

Faculty members:

1. Dr.K.Krishnaveni
2. Dr.R.Subasree
3. Dr.K.Basari Kodi
4. Dr.L.Sathikala
5. Mr.K.Subramanian
6. Dr. T. Vigneswari
7. Mrs.S.Jeyanthi
8. Mr.M.Ramar
9. Mr.G.Praburam
10. Mrs.M.Swarna Sudha
11. Mrs.K.Jeyageetha
12. Mr.S.Kathiravan
13. Ms.R.Chandralekha
14. Dr.R.Venkatesh

Student Representatives:

1. Jeyasuriya K (953622104040)
2. Hemapriyah K M (953622104035)
3. Rathina Bharghavi A (953622104082)
4. Karthika R (953622104045)
5. Subramani Raja R (953622104104)
6. Narayanamoorthy S (953622104065)

12/5/23
Class Adviser

12/5/2023
HOD

Principal
12-5-23

RAMCO INSTITUTE OF TECHNOLOGY

Department of Computer Science and Engineering
Academic Year: 2022-2023 (Even Semester)

RIT/CSE/CCM/2022-2023/05 Date: 22.05.2023

CIRCULAR

The **First** class committee meeting for the **I Year B.E. Computer Science and Engineering- 'B'** will be held on **25.05.2023**. All the Faculty members handling the theory and laboratory courses for the above class and student representatives are requested to attend the meeting in **AI & iOS laboratory** at **10.40 AM** without fail.

22/05/23
Chair Person

22/5/2023
HOD

Class Committee Members:
Chair Person: Ms.P.Jothi Thilaga
Class Adviser: Mr.K.Vignesh Saravanan

S.No	Faculty Members	Course Code & Title	Signature
1.	Dr.K.Krishnaveni	HS3252 Professional English – II	23/5/23
2.	Dr.R.Subasree	MA3251 Statistics and Numerical Methods	23/5/23
3.	Dr. T. Vigneswari	PH3256 Physics for Information Science	
4.	Mrs.S.Jeyanthi	BE3251 Basic Electrical and Electronics Engineering	23/5/23
5.	Mr.M.Ramar Mr.G.Praburam	GE3251 Engineering Graphics	
6.	Mrs.M.Swarna Sudha	CS3251 Programming in C	
7.	Mrs.K.Jeyageetha	GE3252தமிழரும் தொழில்நுட்பமும் /Tamils and Technology	23/5/23
8.	Mr.S.Kathiravan Ms.R.Chandralekha	GE3271 Engineering Practices Laboratory	23/5/23
9.	Mrs.M.Swarna Sudha Dr.R.Venkatesh Mrs.K.Jeyageetha	CS3271 Programming in C Laboratory	23/5/23
10.	Dr.K.Krishnaveni	GE3272 Communication Laboratory/ Foreign Language	23/5/23

S.No	Student Members	Signature
1	Jeyasuriya K (953622104040)	
2	Vigneshwari E (953622104116)	Vigneshwari E
3	Rathina Bharghavi A (953622104082)	Rathina Bharghavi A
4	Karthika R (953622104045)	R. Karthika
5	Subramani Raja R (953622104104)	R. Subra Raja
6	Narayanamoorthy S (953622104065)	

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Department of Computer Science and Engineering

Academic Year: 2022- 2023 (Even Semester)

Minutes of Class Committee Meeting I

Class: II Semester B.E. CSE B **Date & Time: 25.05.2023 & 10.40AM**

Members present:

Chair Person:
Ms.P.Jothi Thilaga, AP(SG)/CSE

Class Adviser:
Mr.K.Vignesh Saravanan, AP(SG)/CSE

Faculty members:

1. Dr.R.Subasree
2. Mrs.S.Jeyanthi
3. Mr.M.Ramar
4. Mrs.M.Swarna Sudha
5. Mr.S.Kathiravan
6. Ms.R.Chandralekha

Student Representatives:

1. Jeyasuriya K (953622104040)
2. Vigneshwari E (953622104116)
3. Rathina Bhargavi A (953622104082)
4. Karthika R (953622104045)
5. Subramani Raja R (953622104104)
6. Narayanamoorthy S (953622104065)

Points discussed	Target Date	Current Status	Responsibility
1. Chairperson welcomed the members for the first class committee meeting, discussed the purpose of class committee meeting and asked the students representatives to share the points discussed in the class committee meeting with all the students.	Continuous	-	Class Committee student representatives
2. Chairperson disseminate the vision, mission statement of Institute and Department	Continuous	-	Class Committee student representatives
3. The chairperson discussed the academic calendars of Anna University, RIT and the dates for the Internal Assessment Tests I, II, and III along with the distribution of marks for	Continuous	Already Disseminated by subject faculties	All Students

each IAT.			
4. The target set for the course and the method for fixing the target were discussed by the chairperson.	Continuous	--	All Students and faculty members
5. **TLP progress** -Completion of syllabus Chairperson asked about the status of syllabus completion for the theory courses and completion of Laboratory Exercises and the understanding level of students in each subject. Chairperson insisted the students to take class notes and advised to clear the doubts then and there with the concerned faculty members.	---	Unit - I Completed / In-progress	All Students
6. The chairperson inquired about the creation of Learning Management Systems (LMS) for all theory and practical courses to faculty members and inquired about the accessibility of materials to all students in LMS.	Continuous	Materials are shared through Canvas: In-progress	All Students and faculty members
7. Chairperson enquired about assessments methods - Assignment, Tutorial, Quiz given and ensured the students timely submission from course handling faculty.	Continuous	In Progress	All Students
8. Chairperson ensured the availability of notebooks, record notebooks and text books to all students	Continuous	Students replied that they have received textbooks, records.	All Students and faculty members
9. Chairperson insisted the students to come regularly to the class and maintain the attendance.	Continuous	--	All Students
10. Chairperson also enquired about the morning presentation and insist the students to do it effectively.	Continuous	Students replied that presentation is going well	All the students and class advisor
11. Chairperson enquired about online course, internships and insists the	Continuous	Students assure that they will do	All Students

students to do online courses from reputed university and also discussed the importance of online courses.		one online course in good platform.	
12. Chairperson motivated the students to participate inter and intra college events.	Continuous	Students agreed to participate.	All Students
13. Chairperson informed the students, if there are any grievances / suggestions, the student can approach the concerned faculty/ Class Advisor / HOD for remedy, and they need not wait until the class committee meeting to be conducted.	Continuous	--	All Students
14. **Student support services and Effectiveness of Mentoring** Chairperson advised students to maintain good relation with mentor for their personal and academic growth.	Continuous	--	Mentor & All Students
15. Chairperson and Class Advisor advised the students to do hard work and motivated them to write Internal Assessment Test I well.	Continuous	--	All Students

Plan for Next Meeting / Follow-up in the Next Meeting

1.	Internal Assessment Test-I Performance
2.	Online course completion, Internship status
3.	Co-Curricular and Extra Curricular Participation

Prepared by:	Reviewed by:	Verified by:	Approved by:
06/06/23	8/6/23	8/6/2023	8.6.23
Chair Person	Academic Coordinator (R-2017/R-2021)	HOD	Principal

Copy circulated among all members of Class Committee
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RAMCO INSTITUTE OF TECHNOLOGY

Department of Computer Science and Engineering
Academic Year: 2022-2023 (Even Semester)

RIT/CSE/CCM/2022-2023/10

Date: 05.07.2023

CIRCULAR

The **Second** class committee meeting for the **I Year B.E. Computer Science and Engineering- 'B'** will be held on **06.07.2023**. All the Faculty members handling the theory and laboratory courses for the above class and student representatives are requested to attend the meeting in **AI & iOS laboratory** at **10.40 AM** without fail.

05/07/23

Chair Person

5/7/2023

HOD

Class Committee Members:
Chair Person: Ms.P.Jothi Thilaga
Class Adviser: Mr.K.Vignesh Saravanan

S.No	Faculty Members	Course Code & Title	Signature
1.	Dr.K.Krishnaveni	HS3252 Professional English – II	
2.	Dr.R.Subasree	MA3251 Statistics and Numerical Methods	
3.	Dr. T. Vigneswari	PH3256 Physics for Information Science	
4.	Mrs.S.Jeyanthi	BE3251 Basic Electrical and Electronics Engineering	
5.	Mr.M.Ramar Mr.G.Praburam	GE3251 Engineering Graphics	
6.	Mrs.M.Swarna Sudha	CS3251 Programming in C	
7.	Mrs.K.Jeyageetha	GE3252தமிழரும் தொழில்நுட்பமும் /Tamils and Technology	
8.	Mr.S.Kathiravan Ms.R.Chandralekha	GE3271 Engineering Practices Laboratory	
9.	Mrs.M.Swarna Sudha Dr.R.Venkatesh Mrs.K.Jeyageetha	CS3271 Programming in C Laboratory	
10.	Dr.K.Krishnaveni	GE3272 Communication Laboratory/ Foreign Language	

S.No	Student Members	Signature
1	Jeyasuriya K (953622104040)	
2	Vigneshwari(953622104116)	
3	Rathina Bharghavi A (953622104082)	
4	Karthika R (953622104045)	
5	Subramani Raja R (953622104104)	
6	Narayanamoorthy S (953622104065)	

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Department of Computer Science and Engineering

Academic Year: 2022- 2023 (Even Semester)

Minutes of Class Committee Meeting II

Class: II Semester B.E. CSE 'B' **Date & Time: 06.07.2023 & 10.40AM**

Members present:

Chair Person:
Ms.P.Jothi Thilaga, AP(SG)/CSE

Class Adviser:
Mr.K.Vignesh Saravanan, AP(SG)/CSE

Faculty members:

1. Dr.R.Subasree
2. Dr.T.Vigneswari
3. Mrs.S.Jeyanthi
4. Mrs.M.Swarna Sudha
5. Mr.S.Kathiravan

Student Representatives:

1. Jeyasuriya K (953622104040)
2. Karthika R (953622104045)
3. Narayanamoorthy S (953622104065)
4. Rathina Bhargavi A (953622104082)
5. Subramani Raja R (953622104104)
6. Vigneshwari E (953622104116)

Points discussed	Target Date	Current Status	Responsibility
1. Chairperson welcomed the members for the second class committee meeting, and asked the students representatives to share the points discussed in the class committee meeting with all the students.	Continuous	-	Class Committee student representatives
2. ***Discussion of IAT I performance:*** **Result percentage subject wise and for class:** Chairperson discussed the result percentage of IATI subject wise, HS3252 - 82.8% MA3251 - 55.2% PH3256 - 32.8% BE3251 - 60.3% GE3251 - 31% CS3251 - 56.9%	Continuous	Overall pass percentage 18.97%	All Students and faculty members

With overall pass percentage of 18.97% and asked the reason for failures in each subject. The students informed that they will perform well in IAT II.			
3. ***Outcome attainment in CO1 CO2 and CO3:*** The faculty members informed that the outcomes of CO1, CO2 and CO3 HS3252 – CO1: 2, CO2:2, CO3:0 MA3251 – CO1: 0, CO2:0, CO3:0 PH3256 – CO1: 0, CO2: 0, CO3: 0 BE3251 – CO1: 0, CO2: 0, CO3:0 GE3251 – CO1:0, CO2:0, CO3:0 CS3251 – CO1:0, CO2: 0, CO3: 0 The test attainment level of the subjects is HS3252 - 3, BE3251 - 1, MA3251, PH3256, GE3251, CS3251 - 0 ***Measures to be taken to improve attainment level if any*** The faculty members informed that they will provide special coaching class for failures	--	--	All Students and faculty members
4. ***Feedback submission on TLP:*** Feedback process completed and satisfied with the scores.	--	--	All Students and faculty members
5. ***TLP progress after CCM I:*** a. Completion of syllabus Chairperson asked about the status of syllabus completion for the theory courses and completion of Laboratory Exercises and the understanding level of students in each subject. b. Preparedness of IAT II Chairperson insisted the students to take class notes and advised to clear the doubts then and there with the concerned faculty members.	--	Unit IV is going-on, completed 8 exercises in C Lab and all the exercise in EPL lab and yet to complete the record work.	All Students and faculty members

6. ***Other assessments methods for measuring outcome:*** a. Assignment/tutorial given Students informed that they are regularly completing their assignments and tutorials given and faculty members also informed the same. b. Quiz Students informed that the online quizzes are posted in LMS	--	--	All Students and faculty members
7. The chairperson advised the students to prepare well for IAT II and also ensured that all study materials, including a question bank, notes, and university test questions for every subject, were available in the LMS.	--	--	All Students and faculty members
8. Course handling faculties discussed about the innovative practices carried out during the class and discussed about the learning abilities of the students.	--	--	All Students and faculty members
9. ***Identification of students on learning abilities*** a. Method followed for identification The faculty members informed that students' performance in IAT Test is analyzed and the slow learners are identified based on their performance. b. Strategies to be followed for different categories of students The faculty members informed that additional coaching was provided to identified students before IAT II and based on their performance in IAT I.	Continuous	--	All Students and faculty members
10. ***Review of attendance/ Identification of irregular students if any:*** Chairperson asked the faculty members about the class attendance and the	--	--	All Students

faculty members informed that there are always some absentees due to health issues in the class. Chairperson advised them to avoid absenteeism.			
11. ***Risk management:*** Chairperson asked the risks faced in the class to students as well as the faculty members. The faculty members informed that the students have to clarify doubts then and there in the class without hesitation.	CCM III	--	All Students
12. Chairperson also enquired about the morning presentation and insist the students to do it effectively. HOD/CSE advised the students to do the presentation in different topics and do it in a proper manner.	Continuous	--	All the students and class advisor
13. Chairperson enquired about online course, internships and insists the students to do online courses from reputed university.	Continuous	Doing online courses	All Students
14. Chairperson motivated the students to participate inter and intra college events.	Continuous	--	All Students
15. ***Feedback about infrastructure and others:*** The students shared positive feedback on the infrastructure & facilities provided in the institution and told that they will participate in contests, events and will communicate in English.	--	--	All Students
16. Chairperson informed the students, if there are any grievances / suggestions, the student can approach the concerned faculty/ Class Advisor / HOD for remedy, and they need not wait until the class committee meeting to be conducted.	Continuous	--	All Students

17. **Student support services and Effectiveness of Mentoring** Chairperson advised students to maintain good relation with mentor for their personal and academic growth.	Continuous	--	Mentor & All Students

Plan for Next Meeting / Follow-up in the Next Meeting	
1.	Internal Assessment Test-II Performance
2.	Online course completion status
3.	Co-Curricular and Extra Curricular Participation

Prepared by:	**Reviewed by:**	**Verified by:**	**Approved by:**
10/07/23	10/7/23	10/7/2023	
Chair Person	**Academic Coordinator (R-~~2017~~/R-2021)**	**HOD**	**Principal**

Copy circulated among all members of Class Committee
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RAMCO INSTITUTE OF TECHNOLOGY

Department of Computer Science and Engineering
Academic Year: 2022-2023 (Even Semester)

RIT/CSE/CCM/2022-2023/12 Date: 05.08.2023

CIRCULAR

The **Third** class committee meeting for the **I Year B.E. Computer Science and Engineering- 'B'** will be held on **07.08.2023**. All the Faculty members handling the theory and laboratory courses for the above class and student representatives are requested to attend the meeting in **CC-I laboratory** at **12.40 PM** without fail.

05/08/23
Chair Person

5/8/2023
HOD

Class Committee Members:
Chair Person: Ms.P.Jothi Thilaga
Class Adviser: Mr.K.Vignesh Saravanan

S.No	Faculty Members	Course Code & Title	Signature
1.	Dr.K.Krishnaveni	HS3252 Professional English – II	
2.	Dr.R.Subasree	MA3251 Statistics and Numerical Methods	
3.	Dr. T. Vigneswari	PH3256 Physics for Information Science	
4.	Mrs.S.Jeyanthi	BE3251 Basic Electrical and Electronics Engineering	
5.	Mr.M.Ramar Mr.G.Praburam	GE3251 Engineering Graphics	
6.	Mrs.M.Swarna Sudha	CS3251 Programming in C	
7.	Mrs.K.Jeyageetha	GE3252தமிழரும் தொழில்நுட்பமும் /Tamils and Technology	
8.	Mr.S.Kathiravan Ms.R.Chandralekha	GE3271 Engineering Practices Laboratory	
9.	Mrs.M.Swarna Sudha Dr.R.Venkatesh Mrs.K.Jeyageetha	CS3271 Programming in C Laboratory	
10.	Dr.K.Krishnaveni	GE3272 Communication Laboratory/ Foreign Language	

S.No	Student Members	Signature
1	Jeyasuriya K (953622104040)	
2	Karthika R (953622104045)	
3	Rathina Bharghavi A (953622104082)	A. Rathina Bharghavi
4	Vigneshwari E (953622104116)	Vigneshwari E
5	Subramani Raja R (953622104104)	R. Subra
6	Narayanamoorthy S (953622104065)	S. Narayanamoorthy

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Department of Computer Science and Engineering

Academic Year: 2022- 2023 (Even Semester)

Minutes of Class Committee Meeting III

Class: II Semester B.E. CSE 'B' **Date & Time: 07.08.2023 & 12.40PM**

Members present:

Chair Person:
Ms.P.Jothi Thilaga, AP(SG)/CSE

Class Adviser:
Mr.K.Vignesh Saravanan, AP(SG)/CSE

Faculty members:

1. Dr.K.Krishnaveni
2. Dr.R.Subasree
3. Dr.T.Vigneswari
4. Mrs.S.Jeyanthi
5. Mr.M.Ramar
6. Mr.G.Praburam
7. Mrs.M.Swarna Sudha
8. Mrs.K.Jeyageetha
9. Mr.S.Kathiravan
10. Ms.R.Chandralekha
11. Mrs.M.Swarna Sudha
12. Dr.R.Venkatesh

Student Representatives:

1. Jeyasuriya K (953622104040)
2. Karthika R (953622104045)
3. Narayanamoorthy S (953622104065)
4. Rathina Bhargavi A (953622104082)
5. Subramani Raja R (953622104104)
6. Vigneshwari E (953622104116)

Points discussed	Target Date	Current Status	Responsibility
1. Chairperson welcomed the members for the second class committee meeting, and asked the students representatives to share the points discussed in the class committee meeting with all the students.	Continuous	-	Class Committee student representatives
2. ***Discussion of IAT II performance:*** **Result percentage subject wise and for class:** Chairperson discussed the result percentage of IATI subject wise, HS3252 - 87.9%	Continuous	Overall pass percentage 29.31%	All Students and faculty members

MA3251 - 70.7% PH3256 - 39.7% BE3251 - 62.1% GE3251 - 67.2% CS3251 - 53.4% With overall pass percentage of 29.31% and asked the reason for failures in each subject. The students informed that they will perform well in IAT II.			
3. ***Outcome attainment in CO3, CO4 and CO5:*** The faculty members informed that the outcomes of CO3, CO4 and CO5 HS3252 – CO3: 2, CO4:2, CO5:0 MA3251 – CO3: 2, CO4:1, CO5:0 PH3256 – CO3: 0, CO4:0, CO5:0 BE3251 – CO3: 2, CO4:1, CO5:0 GE3251 – CO3: 2, CO4:2, CO5:0 CS3251 – CO3: 0, CO4:0, CO5:0 The test attainment level of the subjects is HS3252 - 3, BE3251 - 1, MA3251, PH3256, GE3251, CS3251 - 0 ***Measures to be taken to improve attainment level if any*** The faculty members informed that they will provide special coaching class for failures	--	--	All Students and faculty members
4. ***TLP progress after CCM II:*** *a. Completion of syllabus* Chairperson asked about the status of syllabus completion for the theory courses and completion of Laboratory Exercises and the understanding level of students in each subject. *b. Preparedness of university Examination* Chairperson insisted the students to prepare well for the end semester	--	Syllabus Completed for all the courses	All Students

university examination and also insist them to do the university practical examination well.			
5. Course handling faculties also discussed about the exam preparation with the students.	--	--	All Students and faculty members
6. Chairperson enquired about online course, internships and insists the students to do online courses from reputed university.	Continuous	Doing online courses	All Students
7. Chairperson motivated the students to participate inter and intra college events.	Continuous	--	All Students
8. ***Feedback about infrastructure and others:*** The students shared positive feedback on the infrastructure & facilities provided in the institution and told that they will participate in contests, events and will communicate in English.	--	--	All Students
9. ***Appreciation of students' positive achievements*** Chair Person appreciated for the First Semester University Result and motivated students to improve CGPA in the current Semester.	--	--	All Students
10. ***Student support services and Effectiveness of Mentoring*** Chairperson advised students to maintain good relation with mentor for their personal and academic growth.	Continuous	--	Mentor & All Students

Prepared by:	Reviewed by:	Verified by:	Approved by:
09/08/23	29/8/23	29/8/2023	29/8/23
Chair Person	Academic Coordinator (R-2017/R-2021)	HOD	Principal

Copy circulated among all members of Class Committee
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RAMCO INSTITUTE OF TECHNOLOGY

Department of Computer Science and Engineering

Academic Year: 2022- 2023 (Odd Semester)

Course Committee

Date: 29.08.2022

Course Code and Title: 1. Object Oriented Programming CS8392

2. Object Oriented Programming Laboratory CS8383

Course Committee Chair Person: Dr.K. Vijayalakshmi, Professor & Head/CSE

Faculty members:

1. Dr.I.Gethzi Ahila Poornima, AP/CSE
2. Dr.S.Erana Veerappa Dinesh, AP/CSE
3. Dr. K.Vivekrabinson, AP/CSE

Student Representatives:

1. DhivyaSri B III ECE 'A'
2. HariPrasad R III ECE 'A'
3. Nagaraj T III ECE 'B'
4. Rajalakshmi L III ECE 'B'
5. Kalyalvizhi P III EEE 'A'
6. LeelaPrasad A III EEE 'A'
7. Varun Ganesh III EEE 'B'
8. Udhaya T III EEE 'B'

29/8/2022

HOD

19.22

Principal

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RAMCO INSTITUTE OF TECHNOLOGY

Department of Computer Science and Engineering
Academic Year: 2022-2023 (Odd Semester)

RIT/ (CSE)/Course-CM/2022-2023/01 Date:08.09.2022

CIRCULAR

The **First** course committee meeting for the course code and Title: CS8392, Object Oriented Programming & CS8383, Object Oriented Programming Laboratory will be held on 09.9.2022. All the Faculty members handling the courses for the III Year EEE (A & B), III Year ECE (A & B) and student representatives are requested to attend the meeting, in the **CC IV** at 1.15 PM without fail.

Course committee Chair Person

Principal

Course Committee Members:

S.No	Faculty Members	Signature
1.	Dr.I.Gethzi Ahila Poornima, AP/CSE	
2.	Dr.S.Erana Veerappa Dinesh, AP/CSE	
3.	Dr. K.Vivekrabinson, AP/CSE	

S.No	Student Members	Signature
1.	DhivyaSri B III ECE 'A'	
2.	HariPrasad R III ECE 'A'	
3.	Nagaraj T III ECE 'B'	
4.	Rajalakshmi L III ECE 'B'	
5.	Kalyalvizhi P III EEE 'A'	
6.	LeelaPrasad A III EEE 'A'	
7.	Varun Ganesh III EEE 'B'	
8.	Udhaya T III EEE 'B'	

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RAMCO INSTITUTE OF TECHNOLOGY

Approved by AICTE, New Delhi & Affiliated to Anna University
Accredited by NAAC & An ISO 9001:2015 Certified Institution
NBA Accredited UG Programs: CSE, EEE, ECE and MECH

Department of Computer science and Engineering

Academic Year: 2022- 2023 (Odd Semester)

Minutes of Course Committee Meeting I

Course Code and Title: CS8392 – Object Oriented Programming
Date & Time: 16.09.2022 & 01:15 P.M

Members present:

Course committee Chair Person: Dr.K. Vijayalakshmi, Professor & Head/CSE

Faculty members:
1. Dr.I.Gethzi Ahila Poornima, AP/CSE
2. Dr.S.Erana Veerappa Dinesh, AP/CSE
3. Dr. K.Vivekrabinson, AP/CSE

Student Representatives:
1. DhivyaSri B III ECE 'A'
2. HariPrasad R III ECE 'A'
3. Nagaraj T III ECE 'B'
4. Rajalakshmi L III ECE 'B'
5. Kalyalvizhi P III EEE 'A'
6. LeelaPrasad A III EEE 'A'
7. Varun Ganesh III EEE 'B'
8. Udhaya T III EEE 'B'

Points discussed	Target Date	Responsibility	Remarks
1. Chairperson welcomed the members for the first course committee meeting and explained the purpose and functions of course committee meeting by projecting Anna University Regulations 2017.	--	--	--
2. Chairperson collected the feedback during the meeting with the students from ECE and EEE based on the career aspects and also about the take away after the completion of the course.	--	Course Handling Faculty	The students feel that this course will be a baseline for software entry in to software field so the ECE students opted this as elective paper and EEE students

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			insisted that they are enhancing their placement skills through this course.
3. The chairperson enquired about the completion of the syllabus. All students are advised to start preparing from the very beginning.	Continuous	All the Students	Students said that the 1.5 unit syllabus was completed.
4. Chairperson enquired about the understanding level of object oriented programming subject with the students.	Continuous	All the Students	Students said that the faculty members explained the concepts in an easy understandable way.
5. Discussion was made by Chairperson with committee members regarding the creation of Learning Management System (LMS) for all theory and practical.	Continuous	Course Handling Faculty	The course handling faculties reported the availability of concerned materials in LMS.
6. Chairperson insisted all the faculty members to use the suitable innovative teaching methodologies for teaching learning process.	Continuous	All the faculty members	The faculty conveyed modern tool usage is being planned. Debugging type of questions is planned with quiz and other assessments.
7. It was inquired about the status of outcome correlation, measurement, attainment, target calculation, CO-PO, and PSO mapping. .	08.12.2022	All the faculty members	-
8. Chairperson insisted all the faculty members to identify and plan content beyond syllabus to fill the curriculum gap and its mapping.	-	All the faculty members	Yes, faculty members said that it is prepared.

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9. Faculty members advised the students to be regular in submitting the Quiz and assignments in canvas.	Continuous	All the Students	Students replied that they individually submit their assignments
10. Students were advised to regularly practise the additional programmes on the Terv, Skillrack, and Hacker Rank websites, as this will be extremely beneficial in terms of placement.	-	All the Students	Students promised that they would do the same.
11. The students were advised to actively participate in the class in order to make the classes lively.	Continuous	All the Students	Students told that the task of writing program given at the end of class hour is very useful for them.
12. The chairperson insisted all the faculty members to follow the common setting and common scheme of evaluation for internal tests and plan accordingly.	Continuous	All the faculty members	
13. Chairperson informed the students, if there are any grievances / suggestions, the student can approach the concerned faculty member/ Class Advisor / HOD for remedy, and they need not wait until the class committee meeting to be conducted	-	All the faculty members/ students	

27/9/2022

Course Committee Chair person

Principal

29.9.22

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1. IGA - [signature]

2 SEV - [signature] 27/09/22

3. KVR - Kriveera

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RAMCO INSTITUTE OF TECHNOLOGY

Department of Computer Science and Engineering
Academic Year: 2022-2023 (Odd Semester)

RIT/ (CSE)/Course-CM/2022-2023/02 Date:08.10.2022

CIRCULAR

The Second course committee meeting for the Course Code and Title: CS8392, Object Oriented Programming & CS8383, Object Oriented Programming Laboratory will be held on 11.10.2022. All the Faculty members handling the courses for the III Year EEE (A & B), III Year ECE (A & B) and student representatives are requested to attend the meeting, in CC IV at 1.15 PM without fail.

Course committee Chair Person

Principal

Course Committee Members:

S.No	Faculty Members	Signature
1.	Dr.I.Gethzi Ahila Poornima, AP/CSE	
2.	Dr.S.Erana Veerappa Dinesh, AP/CSE	
3.	Dr. K.Vivekrabinson, AP/CSE	

S.No	Student Members	Signature
1.	DkivyaSri B III ECE 'A'	
2.	HariPrasad R III ECE 'A'	–
3.	Nagaraj T III ECE 'B'	
4.	Rajalakshmi L III ECE 'B'	
5.	Kalyalvizhi P III EEE 'A'	–
6.	LeelaPrasad A III EEE 'A'	
7.	Varun Ganesh III EEE 'B'	
8.	Udhaya T III EEE 'B'	

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NBA Accredited UG Programs: CSE, EEE, ECE and MECH

Department of Computer science and Engineering

Academic Year: 2022- 2023 (Odd Semester)

Minutes of Course Committee Meeting II

Course Code and Title: CS8392 – Object Oriented Programming
Date & Time: 11.10.2022 & 01:15 P.M

Members present:

Course committee Chair Person: Dr.K. Vijayalakshmi, Professor & Head/CSE

Faculty members:

1. Dr.I.Gethzi Ahila Poornima, AP/CSE
2. Dr.S.Erana Veerappa Dinesh, AP/CSE
3. Dr. K.Vivekrabinson, AP/CSE

Student Representatives:

1. DhivyaSri B III ECE 'A'
2. HariPrasad R III ECE 'A'
3. Nagaraj T III ECE 'B'
4. Rajalakshmi L III ECE 'B'
5. Kalyalvizhi P III EEE 'A'
6. LeelaPrasad A III EEE 'A'
7. Varun Ganesh III EEE 'B'
8. Udhaya T III EEE 'B'

Points discussed	Target Date	Responsibility	Remarks
1. Chairperson welcomed the members for the second course committee meeting and reviewed the status of previous meeting.	--	--	--
2. Chairperson ensured about the availability of previous year university question paper, two mark question bank and lecture notes.	-	-	Students said that they have received all the materials and question bank.
3. The understanding level of the subject and the usefulness of the object oriented programming laboratory to III year EEE has been enquired by the Chairperson. For, III year ECE the	Continuous	All the Students	Students said that they have understood the concepts clearly and

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Chairperson advised the students to practice the programming during their free time since there is no laboratory subjects for them.			they suggested to include few more laboratory exercise to the next year students.
4. IAT1 performance has been analyzed by the chairperson and asked the students about the reason for failure.	-	All the Students	Students said that the question was hard and they don't have sufficient time to complete.
5. The chairperson enquired about the completion of the syllabus. All students are advised to prepare for the end semester examination	Continuous	All the Students	Students said that the 3.5 unit syllabus was completed.
6.Mini-project status has been reviewed by the Chairperson for EEE students which is a part of their curriculum and encouraged the ECE students to do mini-projects to showcase themselves in an interview.	Continuous	All the Students	EEE students shared the status and ECE students conveyed that they are really interested in doing mini projects
7. Chairperson also suggested them to do courses in the online platform and advise them to practice in online coding platform like HackerRank and Codechef.	-	-	-
8. To improve teaching learning process, chairperson insisted all the faculty members to use the suitable innovative teaching methodologies.	Continuous	All the faculty members	The faculty conveyed modern tool usage has been planned. Debugging type of questions is planned with quiz and other assessments.
9. Chairperson asked the students regarding the level of preparation for IAT2 and university examination and	-	All the Students	Students said that they will consult with

also asked the students whether they need any coaching class before examination.			their classmates regarding the schedule for the coaching class.
10. Chairperson insisted all the faculty members identify the slow learners and motivate them to get good score in the examination.	-	All the faculty members	Slow learners list will be prepared based on the IAT1 result and class participation
11. A advice has been given to students by the chairperson that actively participated in the class in order to make the classes lively.	Continuous	All the Students	-
12. Chairperson and Faculty members advised the students to be regular in submitting the Quiz and assignments in canvas.	Continuous	All the Students	Students replied that they individually submit their assignments
13. The motivation has been given to the students by the chairperson to prepare well for the university examination and score good marks.	-	All the Students	-

Plan for Next Meeting / Follow-up in the Next Meeting

1	Status of portion completion and content beyond syllabus
2	IAT II result discussion and readiness level of IAT III

Prepared by:	Reviewed by:	Verified by:	Approved by:
15/4/22	15/4/22	15/4/22	15.4.22
Chair Person	Academic Coordinator (R-2017/R-2021)	HOD	Principal

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KVR - [illegible]

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RAMCO INSTITUTE OF TECHNOLOGY

Department of Computer Science and Engineering
Academic Year: 2022-2023 (Odd Semester)

RIT/ (CSE)/Course-CM/2022-2023/03

Date:08.11.2022

CIRCULAR

The Second course committee meeting for the Course Code and Title: CS8392, Object Oriented Programming & CS8383, Object Oriented Programming Laboratory will be held on 10.11.2022. All the Faculty members handling the courses for the III Year EEE (A & B), III Year ECE (A & B) and student representatives are requested to attend the meeting, in CC IV at 12.30 PM without fail.

Course committee Chair Person

8/11/22

Principal

Course Committee Members:

S.No	Faculty Members	Signature
1.	Dr.I.Gethzi Ahila Poornima, AP/CSE	
2.	Dr.S.Erana Veerappa Dinesh, AP/CSE	
3.	Dr. K.Vivekrabinson, AP/CSE	

S.No	Student Members	Signature
1.	DhivyaSri B III ECE 'A'	
2.	HariPrasad R III ECE 'A'	
3.	Nagaraj T III ECE 'B'	
4.	Rajalakshmi L III ECE 'B'	
5.	Kalyalvizhi P III EEE 'A'	
6.	LeelaPrasad A III EEE 'A'	
7.	Varun Ganesh III EEE 'B'	
8.	Udhaya T III EEE 'B'	

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Department of Computer science and Engineering

Academic Year: 2022- 2023 (Odd Semester)

Minutes of Course Committee Meeting III

Course Code and Title: CS8392 – Object Oriented Programming
Date & Time: 10.11.2022 & 12:30 P.M

Members present:

Course committee Chair Person: Dr.K. Vijayalakshmi, Professor & Head/CSE

Faculty members:
1. Dr.I.Gethzi Ahila Poornima, AP/CSE
2. Dr.S.Erana Veerappa Dinesh, AP/CSE
3. Dr. K.Vivekrabinson, AP/CSE

Student Representatives:
1. DhivyaSri B III ECE 'A'
2. HariPrasad R III ECE 'A'
3. Nagaraj T III ECE 'B'
4. Rajalakshmi L III ECE 'B'
5. Kalyalvizhi P III EEE 'A'
6. LeelaPrasad A III EEE 'A'
7. Varun Ganesh III EEE 'B'
8. Udhaya T III EEE 'B'

Points discussed	Target Date	Responsibility	Remarks
1. Chairperson welcomed the members for the second course committee meeting and reviewed the status of previous meeting. Chairperson asked whether they have practiced coding in any platforms as discussed in the previous meeting.	--	-	--
2. IAT II performance has been analyzed by the chairperson and insisted the students to concentrate more on programming.	-	All the Students	Students assured the same

Sem/Class	Pass Percentage	CO2	CO3
V /ECE A	33.33	0	0
V/ ECE B	43.9	0	0
V/ EEE A	15	1	0

V/ EEE B	11	0	0		
5. The chairperson enquired about the completion of the syllabus. All students are advised to prepare for the end semester examination.				Continuous	All the Students	Students said that the V unit is in progress.
6.The students and the faculty members were asked about content beyond syllabus planned and execution of the same,				Continuous	All the Students and Faculty members	The faculty members said that they are planning to arrange industrial guest lecture for the content beyond syllabus.
7. Chairperson got feedback about the course (CS8392).				Continuous	-	Students replied that they could follow the class.
8. The ECE students were asked whether they recommend their juniors to take this course as elective or not. Also they were asked whether they will elect such courses in the upcoming semesters.				Continuous	-	The students replied that they will recommend because this course would be useful for placement.
9. Chairperson discussed various key points to face the university examination and score good grades.				-	All the Students	-

Prepared by:	Reviewed by:	Verified by:	Approved by:
12/12/22	12/12/22	12/12/22	12.12.22
Chair Person	Academic Coordinator (R-2017/R-2021)	HOD	Principal

Copy circulated among all members of the Course Committee
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RAMCO INSTITUTE OF TECHNOLOGY

Department of Computer Science and Engineering

Academic Year: 2022- 2023 (Odd Semester)

Course Committee

Course Code and Title: GE3151 - Problem Solving and Python Programming

Date: 15.12.2021

Course Committee Chair Person: Dr.R.Venkatesh, AP (SG)/CSE

Faculty members:

1. Dr.R.Venkatesh, AP (SG)/CSE
2. Mrs.SwarnaSudha M, AP (SG)/CSE
3. Mrs.Vijayalakshmi B, AP (SG)/CSE
4. Dr.Erana Veerappa Dinesh S, AP/CSE
5. Mrs.K.Jeyageetha, AP/CSE
6. Mr.R.Deiva Nayagam, AP/CSE
7. Mrs.C.Karpagavalli, AP/AD
8. Mr.R.Thangasankaran, AP/EEE

Student Representatives:

1. Thamimun Ansari K – (22CE029)
2. Ramya Sudha N – (22CE016)
3. Enba Sankar S – (22CS010)
4. Siva Sundari.B – (22CS047)
5. Gopalakrishnan G.K – (22CS073)
6. Santhiya R – (22CS118)
7. Harikrishna R – (22CB017)
8. Sanjana Sri T – (22CB036)
9. Thanishka Shree – (22IT052)
10. Praveen Kumar – (22IT026)
11. Bhuvaneswari.G – (22AD006)
12. Hari Krishnan.A – (22AD015)
13. Alice Jeya Flora – (22AD064)
14. Bala Murugan.S - (22AD070)
15. Malini Selvi M - ECE
16. Loga Madhureswaran S - ECE
17. Nishaan S - ECE
18. Raja Preethika S – ECE
19. G.Baskar - (22EE008)
20. R.Jeyalakshmi - (22EE016)
21. Suriyha R K – (22ME036)
22. Anush T – (22ME002)

HOD 15/12/2021

Principal 16/12/22

RAMCO INSTITUTE OF TECHNOLOGY

Department of Computer Science and Engineering
Academic Year: 2022-2023 (Odd Semester)

RIT/ CSE/GE3151 - Problem Solving and Python Programming-CM/2022-2023/01

Date: 23.12.2022

CIRCULAR

The **First** course committee meeting for the course code and Title: **GE3151 - Problem Solving and Python Programming** will be held on **26.12.2022**. All the Faculty members handling the courses for the Problem Solving and Python Programming and student representatives are requested to attend the meeting; in the CC I at 12.40 PM without fail.

23/12/22

Course committee Chair Person

23/12/22

Principal

Course Committee Members:

Sl.No	Faculty Members	Signature
1.	Dr.R.Venkatesh, AP (SG)/CSE	23/12/22
2.	Mrs.SwarnaSudha M, AP (SG)/CSE	23/12/22
3.	Mrs.Vijayalakshmi B, AP (SG)/CSE	24/12/22
4.	Dr.Erana Veerappa Dinesh S, AP/CSE	24/12/22
5.	Mr.R.Deiva Nayagam, AP/CSE	24/12/22
6.	Mrs.C.Karpagavalli, AP/AD	
7.	Mrs.K.Jeyageetha, AP/CSE	
8.	Mr.R.Thangasankaran, AP/EEE	

Sl.No	Student Members	Signature
1.	Thamimun Ansari K – (22CE029)	
2.	Ramya Sudha N – (22CE016)	
3.	Enba Sankar S – (22CS010)	
4.	Siva Sundari.B – (22CS047)	
5.	Gopalakrishnan G.K – (22CS073)	
6.	Santhiya R – (22CS118)	
7.	Harikrishna R – (22CB017)	
8.	Sanjana Sri T – (22CB036)	
9.	Thanishka Shree – (22IT052)	
10.	Praveen Kumar – (22IT026)	
11.	~~Praveen Kumar – (22IT026)~~	

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12.	Bhuvaneswari.G – (22AD006)	G. Bhuvana
13.	Hari Krishnan.A – (22AD015)	Harikrishna. A.
14.	Alice Jeya Flora – (22AD064)	F. Alicejeyaflora
15.	Bala Murugan.S - (22AD070)	Balamurugan. S
16.	Malini Selvi M - ECE	
17.	Nishaan S - ECE	
18.	Loga Madhureswaran S - ECE	Logamadhureswaran. S
19.	Raja Preethika S – ECE	S Rajapreethika
20.	G.Baskar - (22EE008)	G. Baskar
21.	R.Jeyalakshmi - (22EE016)	R. Jeyalakshmi
22.	Suriyha R K – (22ME036)	
23.	~~Anush T – (22ME002)~~ Manoranjith 22ME017	A. Manoranjith

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RAMCO INSTITUTE OF TECHNOLOGY

Department of Computer science and Engineering

Academic Year: 2022-2023 (Odd Semester)

Minutes of Course Committee Meeting I

Course Code & Title : **GE3151 - Problem Solving and Python Programming**
Date & Time : **26.12.2021 & 12:40 P.M.**

Members present:

Chair Person: Dr.R.Venkatesh, AP(SG)/CSE

Faculty members:

1. Dr.R.Venkatesh, AP (SG)/CSE
2. Mrs.SwarnaSudha M, AP (SG)/CSE
3. Mrs.Vijayalakshmi B, AP (SG)/CSE
4. Dr.Erana Veerappa Dinesh S, AP/CSE
5. Mr.R.Deiva Nayagam, AP/ECE
6. Mrs.C.Karpagavalli, AP/AD
7. Mrs.K.Jeyageetha, AP/CSE
8. Mr.R.Thangasankaran, AP/EEE

Student Representatives:

1. Thamimun Ansari K – (22CE029)
2. Ramya Sudha N – (22CE016)
3. Enba Sankar S – (22CS010)
4. Siva Sundari.B – (22CS047)
5. Gopalakrishnan G.K – (22CS073)
6. Santhiya R – (22CS118)
7. Harikrishna R – (22CB017)
8. Sanjana Sri T – (22CB036)
9. Thanishka Shree – (22IT052)
10. Praveen Kumar – (22IT026)
11. Bhuvaneswari.G – (22AD006)
12. Hari Krishnan.A – (22AD015)
13. Alice Jeya Flora – (22AD064)
14. Bala Murugan.S - (22AD070)
15. Malini Selvi M - ECE
16. Nishaan S - ECE
17. Loga Madhureswaran S - ECE
18. Raja Preethika S – ECE
19. G.Baskar - (22EE008)
20. R.Jeyalakshmi - (22EE016)
21. Suriyha R K – (22ME036)
22. Anush T – (22ME002)

Points discussed	Target Date	Responsibility	Remarks
1. Chairperson welcomed the members for the first course committee meeting and explained the purpose and functions of course committee meeting by projecting Anna University Regulations 2021.	-	-	-

2. Chairperson detailed the Anna University Academic schedule, RIT academic schedule and schedule of Internal Assessment Test I and II.	-	-	-
3. The chairperson enquired about the completion of the syllabus. All students are advised to start preparing from the very beginning.	Continuous	All the Students	-
4. Chairperson enquired about the understanding level of problem solving and python programming subject with the students.	Continuous	All the Students	Students said that the faculty members explained the concepts in an easy understandable way.
5. Chairperson enquired about the understanding level of subject for biology group students.	-	-	Students replied that the faculty members taught clearly and, hence, they could understand clearly and Some of the biology students feel that the faculty member needs to teach slowly.
6. Chairperson ensured about the availability of textbooks, materials and two marks questions with answers.	-	-	Students said that they have received all the soft copy of learning materials, question bank and text books.
7. Chairperson enquired about creation of Learning Management System (LMS) for all theory and practical courses to faculty members concerned and verified with the students. Chairperson asked the students about the availability of material to all the students in LMS	-	All faculty	Yes. Created and uploaded all the study materials in LMS.
8. Chairperson insisted all the faculty members to use the suitable innovative teaching methodologies for teaching learning process.	Continuous	All the faculty members	-
9. The chairperson insisted all the faculty members plan and conduct unit tests for all five units based on their convenience.	Continuous	All the faculty members	-
10. As per Regulation 2021, Individual Assignment /Case Study/Seminar/Mini Project will have 40 marks. As a result, the chairperson insisted that all faculty members plan for the Individual	Continuous	All the faculty members	Faculty members assured and prepared the assignment individual sheets and prepared the Mini

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Assignment/Case Study/Seminar/Mini Project based on the performance of their students.			Project Problem Statements to be shared with the students.
11. Chairperson and Faculty members advised the students to be regular in submitting the Quiz and assignments in canvas.	Continuous	All the Students	Students replied that they individually present their assignments in class timing or Lab timing.
12. Chairperson advised all the students to practice the additional programs regularly in ackerrank website which will be very useful for them in placement aspects.	-	All the Students	-
13. Chairperson insisted about the importance of continuous learning. She advised the students to do hard work and motivated them to write the python programs by their own.	Continuous	All the students	-
14. Chairperson advised the students to be actively participated in the class in order to make the classes lively.	Continuous	All the students	-
15. The chairperson requested all the faculty members identify slow learners and biology students, teach them slowly for better understanding, and conduct more special classes for slow learners and biology students.	Continuous	All the faculty members	Faculty members assured and plan accordingly
16. Chairperson informed the students, if there are any grievances / suggestions, the student can approach the concerned faculty member/ Class Advisor / HOD for remedy, and they need not wait until the class committee meeting to be conducted	-	All the faculty members/ students	-

29/12/22

Course Committee Chair Person

Principal 30.12.22

Copy circulated among all members of Course Committee
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RAMCO INSTITUTE OF TECHNOLOGY

Department of Computer Science and Engineering
Academic Year: 2022-2023 (Odd Semester)

RIT/ CSE/GE3151 - Problem Solving and Python Programming-CM/2022-2023/02

Date: 10.02.2023

CIRCULAR

The **Second** course committee meeting for the course code and Title: **GE3151 - Problem Solving and Python Programming** will be held on **11.02.2023**. All the Faculty members handling the courses for the Problem Solving and Python Programming and student representatives are requested to attend the meeting; in the CC I at 12.40 PM without fail.

Course committee Chair Person **Principal**

Course Committee Members:

Sl.No	Faculty Members	Signature
1.	Dr.R.Venkatesh, AP (SG)/CSE	
2.	Mrs.SwarnaSudha M, AP (SG)/CSE	
3.	Mrs.Vijayalakshmi B, AP (SG)/CSE	
4.	Dr.Erana Veerappa Dinesh S, AP/CSE	
5.	Mr.R.Deiva Nayagam, AP/ECE	
6.	Mrs.C.Karpagavalli, AP/AD	
7.	Mrs.K.Jeyageetha, AP/CSE	
8.	Mr.R.Thangasankaran, AP/EEE	

Sl.No	Student Members	Signature
1.	Thamimun Ansari K – (22CE029)	
2.	Ramya Sudha N – (22CE016)	
3.	Enba Sankar S – (22CS010)	
4.	Siva Sundari.B – (22CS047)	B. Siva Sundari
5.	Gopalakrishnan G.K – (22CS073)	
6.	Santhiya R – (22CS118)	
7.	Harikrishna R – (22CB017)	
8.	Sanjana Sri T – (22CB036)	T. Sanjanasri
9.	Thanishka Shree – (22IT052)	U. Shanu
10.	Praveen Kumar – (22IT026)	
11.	Praveen Kumar – (22IT026)	

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12.	Bhuvaneswari.G – (22AD006)	G. Bhuvana
13.	Hari Krishnan.A – (22AD015)	Harikrishnan .A
14.	Alice Jeya Flora – (22AD064)	F. Aliciyajaflora
15.	Bala Murugan.S - (22AD070)	Balamurugan. S
16.	Malini Selvi M - ECE	M. Malini Selvi
17.	Nishaan S - ECE	
18.	Loga Madhureswaran S - ECE	S. Logamadhureswaran
19.	Raja Preethika S – ECE	
20.	G.Baskar - (22EE008)	G. Baskar
21.	R.Jeyalakshmi - (22EE016)	R. Jeyalakshmi
22.	Suriyha R K – (22ME036)	
23.	Anush T – (22ME002)	

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RAMCO INSTITUTE OF TECHNOLOGY

Department of Computer science and Engineering

Academic Year: 2022-2023(Odd Semester)

Minutes of Course Committee Meeting II

Course Code & Title : **GE3151 - Problem Solving and Python Programming**
Date & Time : **11.02.2022 & 12.40 PM.**
Venue: : **CC I**

Members present:

Chair Person: Dr.R.Venkatesh, AP(SG)/CSE

Faculty members:

1. Dr.R.Venkatesh, AP (SG)/CSE
2. Mrs.SwarnaSudha M, AP (SG)/CSE
3. Mrs.Vijayalakshmi B, AP (SG)/CSE
4. Dr.Erana Veerappa Dinesh S, AP/CSE
5. Mr.R.Deiva Nayagam, AP/ECE
6. Mrs.C.Karpagavalli, AP/AD
7. Mrs.K.Jeyageetha, AP/CSE
8. Mr.R.Thangasankaran, AP/EEE

Student Representatives:

1. Thamimun Ansari K – (22CE029)
2. Ramya Sudha N – (22CE016)
3. Enba Sankar S – (22CS010)
4. Siva Sundari.B – (22CS047)
5. Gopalakrishnan G.K – (22CS073)
6. Santhiya R – (22CS118)
7. Harikrishna R – (22CB017)
8. Sanjana Sri T – (22CB036)
9. Thanishka Shree – (22IT052)
10. Praveen Kumar – (22IT026)
11. Bhuvaneswari.G – (22AD006)
12. Hari Krishnan.A – (22AD015)
13. Alice Jeya Flora – (22AD064)
14. Bala Murugan.S - (22AD070)
15. Malini Selvi M - ECE
16. Nishaan S - ECE
17. Loga Madhureswaran S - ECE
18. Raja Preethika S – ECE
19. G.Baskar - (22EE008)
20. R.Jeyalakshmi - (22EE016)
21. Suriyha R K – (22ME036)
22. Anush T – (22ME002)

Points discussed	Target Date	Responsibility	Remarks
1. Chairperson welcomed the members for the second course committee meeting and explained the purpose and functions of course committee meeting by projecting Anna University Regulations 2021.	-	-	-

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2. Chairperson analyzed the students' performance in the Internal Assessment Test-I for all departments. It was noticed that most of the students have performed well in Internal Assessment Test-I and still few students need to prepare well.	-	All the Students	Students assured that they prepared well for the upcoming IAT II exam
3. Chairperson advised all the students to prepare all units and illustrative programs regularly which will be very useful for them in University Exams.	-	All the Students	Students assured that they prepared
4. Chairperson detailed the Anna University Academic schedule, RIT academic schedule and schedule of Internal Assessment Test II.	-	All the Students	-
5. The chairperson enquired about the completion of the syllabus for the IAT II. All students are advised to start preparing from the very beginning.	Continuous	All the Students	-
6. Chairperson enquired about the understanding level of problem solving and python programming subject with the students.	Continuous	All the Students	Students said that the faculty members explained the concepts in an easy understandable way and they are using various innovative practice tools.
7. Chairperson advised all the students to practice the programs regularly which will be very useful for them in placement aspects.	Continuous	All the Students	-
8. Chairperson asked about the syllabus coverage for theory and practical subjects.	-	-	Students replied that 4 and half units and 9 lab exercises were completed.
9. Chairperson insisted all the faculty members to use the suitable innovative teaching methodologies for teaching learning process.	Continuous	All the faculty members	-
10. As per Regulation 2021, Individual Assignment /Case Study/Seminar/Mini Project will have 40 marks. As a result, the chairperson insisted that all faculty members plan for the Individual Assignment/Case Study/Seminar/Mini Project based on the performance of their students.	Continuous	All the faculty members	Faculty members assured and prepared the assignment individual sheets and prepared the Mini Project Problem Statements to be shared with the students.

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11. Chairperson insisted about the importance of continuous learning. He advised the students to do hard work and motivated them to write the python programs by their own and to write the upcoming internal exams well.	Continuous	All the students	-
12. Chairperson advised the students to be actively participated in the class in order to make the classes lively.	Continuous	All the students	-
13. Chairperson informed the students, if there are any grievances / suggestions, the student can approach the concerned faculty member/ Class Advisor / HOD for remedy, and they need not wait until the class committee meeting to be conducted	-	All the faculty members/ students	-

11/2/23

Course Committee Chair Person

Principal

13/2/23

Copy circulated among all members of Course Committee
Copy to the Principal office
Copy to File

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RAMCO INSTITUTE OF TECHNOLOGY

(Approved by AICTE - New Delhi and Affiliated to Anna University - Chennai)
NAAC Accredited and An ISO 9001:2015 certified institution
NBA Accredited UG Programs: CSE, EEE, ECE and Mechanical
Rajapalayam - 626 117.

LABORATORY RECORD

ACADEMIC YEAR : 2022 - 2023

Name of the Faculty Member : B.KANNAN

Department : ECE

Course Name : Microprocessors & Microcontrollers Lab

Course Code : EC8681

Semester : V

Date of Commencement : 10.08.2022

Date of Completion : 11.11.2022

Cycle of Experiments	I	II
Signature of Faculty Member	30/09/22	11/11/22
Head of the Department	1/11/22	22/11/22
Principal		

CO Statements

COs	Statement	Level
CO1	Write ALP program for arithmetic operations, logical operations, and data movement using 8086 microprocessor instructions.	L2 (Cog)
CO2	Implement an ALP program for code conversion, decimal arithmetic, and matrix operations using 8086 instructions and MASM software tools.	L2 (Cog)
CO3	Generate results for floating-point operations, string manipulations, sorting, and searching using 8086 microprocessor instructions.	L3 (Cog)
CO4	Construct 8086-based systems using peripherals and interfaces.	L2 (Cog)
CO5	Calculate outputs for arithmetic operations, logical operations, square of a number and the cube of a number using an 8051 microcontroller.	L3 (Cog)
CO6	Create/Simulate real time system using 8051 microcontroller/Virtual Laboratory/Online Simulators.	L3 (Psy)

CO-PO-PSO Mapping

CO POS No.	Program Outcome												PSO			
	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4
C303.1	3	1	2	-	-	-	-	-	3	3	1	1	1	2	-	-
C303.2	3	1	2	-	1	1	-	-	3	3	-	1	1	2	-	-
C303.3	3	1	2	-	-	-	-	-	3	3	-	1	-	2	-	-
C303.4	3	1	2	-	-	-	-	-	3	3	-	1	1	2	-	-
C303.5	3	1	2	-	-	-	-	-	3	3	1	1	-	2	-	-
C303.6	3	1	2	-	1	1	-	-	3	3	1	1	-	2	-	-

Course Outcome Target (Based on previous academic year)

Academic Year	Students Appeared	Students Passed	Pass %	Grade						GPA (10)	AGPA (3)
				O	A+	A	B+	B	U		
2020-2021	49	49	100								2.730
2021-2022	57	57	100	16	27	14	0	0	0	8.93	2.712

Target Procedure :

Sl. No.	Academic Year	Course Code	No. of Students Attended (m)	No. of Students Passed	Pass Percentage	Average Grade Point (n)	Cumulative Grade Point (m X n)
1.	2019-2020	EC8681	49	49	100	9.10	445.9
2.	2020-2021	EC8681	57	57	100	9.04	515.3
Total Students			106	Total Grade Points			961.2
b=Average Grade Point on scale 3							(961.2/106)* (3/10) =2.7
a=Target Attainment for Previous Academic Year							2
Target Attainment for AY 2022-2023, Since b>a							2.7

CO Target : 2.7

BATCH - I FRIDAY

Month : August - 2022 & September - 2022

SUBJECT : EC8681 - Microprocessors and Microcontrollers Laboratory

S. No.	Roll No.	Name / Date	12	12	12	12	26	26	26	26	09	09	09	09	09
		Period	04	05	06	07	04	05	06	07	04	05	06	07	08
		Cumulative Periods	1	2	3	4	5	6	7	8	9	10	11	12	13
1.	953620104001	Aanandha Ganesh.R A	A	A	A	A	/	/	/	/	/	/	/	/	/
2.	002	Abinaya.M	/	/	/	/	/	/	/	/	/	/	/	/	/
3.	003	Akhash Aravind.P	/	/	/	/	/	/	/	/	/	/	/	/	/
4.	004	Balamuralikrishna.R.N	/	/	/	/	/	/	/	/	/	/	/	/	/
5.	005	Bhuvaneshwari.S	/	/	/	/	/	/	/	/	/	/	/	/	/
6.	006	Boopaa.L A	/	/	/	/	/	/	/	/	/	/	/	/	/
7.	007	Dharani Raj.V A	/	/	/	/	/	/	/	/	/	/	/	/	/
8.	008	Dhiraj.N	/	/	/	/	A	A	A	A	/	/	/	/	/
9.	009	Divya.M.k A	OD	OD	OD	OD	/	/	/	/	/	/	/	/	/
10.	010	Gayathri Devi.S	/	/	/	/	/	/	/	/	/	/	/	/	/
11.	011	Gnanguru Vignesh.T	/	/	/	/	/	/	/	/	/	/	/	/	/
12.	012	Gopiy.k.J	/	/	/	/	/	/	/	/	/	/	/	/	/
13	013	Gowtham kasthikeyan.M	/	/	/	/	/	/	/	/	/	/	/	/	/
14.	014	Harinisrivalli.V A	/	/	/	/	/	/	/	/	/	/	/	/	/
15	015	Harsha.R A	/	/	/	/	/	/	/	/	/	/	/	/	/
16.	016	Ijaas Ahamad.M A	/	/	/	/	/	/	/	/	/	/	/	/	/
17.	017	Jagadesh.B A	A	A	A	A	A	A	A	A	/	/	/	/	/
18	018	Jelena Jophin.J	/	/	/	/	/	/	/	/	/	/	/	/	/
19.	019	Joe Alan.R.S A	A	A	A	A	/	/	/	/	/	/	/	/	/
20.	021	Jothi Lingapandian.M A	/	/	/	/	OD	OD	OD	OD	/	/	/	/	/
21.	022	Kamini.k	/	/	/	/	OD	OD	OD	OD	/	/	/	/	/
22.	023	Kasthikeyan.B	OD	OD	OD	OD	A	A	A	A	/	/	/	/	/
23	024	Karunya.V A	OD	OD	OD	OD	OD	OD	OD	OD	/	/	/	/	/
24.	025	Keerthana.V A	/	/	/	/	/	/	/	/	/	/	/	/	/
25.	026	K.Syed Adam A	/	/	/	/	/	/	/	/	A	A	A	A	A
No. of absentess			3	3	3	3	3	3	3	3	1	1	1	1	1
Initial of the Faculty Member															

Continuous Assessment Marks (50)

Ex. 1	Ex. 2	Ex. 3	Ex. 4	Ex. 5	Ex. 6	Ex. 7	Ex. 8	Ex. 9	Ex. 10	Ex. 11	Ex. 12	Ex. 13	Ex. 14	Ex. 15	Ex. 16	Ex. 17	Ex. 18	Ex. 19	Ex. 20	Presentation	CA (75)	Model Test (25)	Total (100)	Internal Marks (20)	Univ Exam Grade
48	48	48	49	48	49	48	48	49	49	48	49	48	48	48	49					9	73	18	91		
46	47	48	47	48	48	47	45	47	47	48	49	48	48	49	48					8	72	22	94		
48	48	48	49	50	48	49	49	50	48	48	49	48	49	49	49					8	74	16	90		
47	46	47	46	47	46	47	48	46	47	47	44	45	46	46	46	✓				10	70	13	83		
43	45	46	46	48	48	48	48	48	48	47	48	48	49	49	49					9	72	23	95		
48	47	48	47	48	47	47	48	48	47	48	48	47	48	48	49					8	72	25	97		
48	46	47	47	47	46	48	48	47	48	47	44	45	46	46	46	✗				8	71	20	91		
48	47	47	46	46	47	46	46	47	46	46	47	46	47	46	47					8	71	20	91		
48	48	48	48	49	48	48	49	49	48	48	49	49	49	48	48					8	73	17	90		
45	44	47	46	48	48	48	47	48	48	47	48	48	48	49	49	✓				9	72	22	94		
48	47	47	47	48	48	49	49	47	48	49	48	48	48	49	47					8	72	17	89		
48	49	48	48	49	48	48	47	47	47	47	49	48	49	48	48					8	72	18	90		
46	47	49	48	47	48	48	49	48	48	49	48	48	48	49	49					8	73	24	97		
48	47	48	47	48	47	48	47	48	47	48	47	49	49	49	49					10	72	15	87		
48	48	47	47	48	48	48	48	49	49	48	49	49	48	49	49					10	73	23	96		
47	48	48	48	49	48	48	48	47	48	48	49	48	48	49	48					8	72	12	84		
48	47	47	48	48	48	48	48	49	45	45	46	47	47	47	45					8	72	12	84		
48	48	47	47	48	48	47	48	48	48	48	48	48	48	48	49					8	72	18	90		
48	48	47	49	49	50	50	49	49	50	49	48	49	48	48	49					7	74	13	92		
47	46	47	46	46	47	47	46	47	45	46	47	45	47	48	48					8	71	15	86		
48	47	47	48	48	48	48	48	48	47	48	49	49	49	48	48					8	72	22	94		
48	47	48	47	47	47	48	47	47	48	49	48	49	48	49	48					8	74	23	95		
47	48	48	47	48	47	48	48	48	48	48	48	47	48	49	47					9	74	16	93		
48	48	47	48	47	48	47	47	48	47	48	47	48	49	48	49					9	72	16	89		
47	47	47	48	47	47	47	47	48	48	48	48	48	48	48	48					8	72	16	88		

Month : August - 2022 & September - 2022

BATCH-I FRIDAY

SUBJECT: EC8681 - Microprocessors and Microcontrollers Laboratory

S. No.	Roll No.	Name	Date	12	12	12	12	26	26	26	26	09	09	09	09	
			Period	04	05	06	07	04	05	06	07	04	05	06	07	
			Cumulative Periods	1	2	3	4	5	6	7	8	9	10	11	12	
26.	027	Kumar. M		/	/	/	/	/	/	/	/	/	/	/	/	
27.	029	Lakshmi Priya. G		OD	OD	OD	OD	OD	OD	OD	OD	/	/	/	/	
28.	029	Mugesh. M		/	/	/	/	/	/	/	/	/	/	/	/	
29.	030	Muthu Brijesh. R		/	/	/	/	/	/	/	/	/	/	/	/	
30.	031	Muthu Kumar. K		/	/	/	/	/	/	/	/	/	/	/	/	
31.	032	Nishashree. M		/	/	/	/	/	/	/	/	/	/	/	/	
32.	033	Paranthaman. I		OD	OD	OD	OD	OD	OD	OD	OD	/	/	/	/	
33.	034	Pavithra. K		/	/	/	/	OD	OD	OD	OD	/	/	/	/	

BATCH-I FRIDAY

SUBJECT: Ecstel-Microprocessors a

S. No.	Roll No.	Name	Cumulative	Continuous Ex. 1	Ex. 2	Ex. 3	Ex. 4	Ex. 5	Ex. 6	Ex. 7	Ex. 8	Ex. 9	Ex. 10	Assessment Marks (50) Ex. 11	Ex. 12	Ex. 13	Ex. 14	Ex. 15	Ex. 16	Ex. 17	Ex. 18	Ex. 19	Ex. 20	Presentation (10)	CA (75)	Model Test (25)	Total (100)	Internal Marks (20)	U E G
26.	027	Kumar.M		47	48	47	47	47	48	47	47	47	47	47	48	48	49	49	49					8	72	15	87		
27.	028	Lakshmi Priya.G		48	48	49	48	47	48	49	49	48	47	49	49	48	48	49	48					10	73	20	93		
28.	029	Mugesh.M		48	48	48	49	49	48	49	47	48	48	47	48	48	49	48	48					9	73	18	91		
29.	030	Muthu Brijesh.R		43	45	47	47	47	47	47	47	48	48	48	48	49	48	49	49					9	72	24	96		
30.	031	Muthu Kumar.K		48	48	47	47	48	48	48	48	48	48	48	47	49	49	48	49					9	72	24	96		
31.	032	Nishashree.M		48	47	48	48	48	48	47	47	47	48	48	48	48	49	49	48					9	72	24	96		
32.	033	Paranthaman.J		48	47	49	48	47	48	47	49	48	49	49	48	48	49	49	48					8	72	25	97		
33.	034	Pavithra.K		48	47	48	47	48	48	49	48	48	47	48	47	48	48	49	49					9	72	16	88		

No. of absentess

Month: August-2022 & September-2022

BATCH-II TUESDAY

SUBJECT: EC8681 MicroProcessors and Microcontrollers Laboratory

S. No.	Roll No.	Name	Date	16	16	16	16	23	23	23	23	30	30	30	30	06
			Period	04	05	06	07	04	05	06	07	04	05	06	07	04
			Cumulative Periods	1	2	3	4	5	6	7	8	9	10	11	12	13
1.	953620104 035	Poojalakshmi.T		/	/	/	/	/	/	/	/	/	/	/	/	/
2.	036	P.Preetha.A		/	/	/	/	/	/	/	/	/	/	/	/	/
3.	037	Praveen.S		/	/	/	/	/	/	/	/	/	/	/	/	/
4.	038	Ragavi.V.G		/	/	/	/	/	/	/	/	/	/	/	/	/
5.	039	Raja Dharshini.S		/	/	/	/	/	/	/	/	/	/	/	/	/
6.	040	Rajalakshmi.R.U		/	/	/	/	/	/	/	/	/	/	/	/	/
7.	041	Rajasekaran.T		/	/	/	/	/	/	/	/	A	A	A	A	/
8.	042	Saravana Jothi.G		/	/	/	/	/	/	/	/	/	/	/	/	/
9.	043	Sarumathi.M		/	/	/	/	/	/	/	/	/	/	/	/	/
10.	044	Sathish Kannan.M		/	/	/	/	/	/	/	/	/	/	/	/	/
11.	045	Sathishkumar.K		/	/	/	/	A	A	A	A	/	/	/	/	/
12.	046	Shakthee Saravana.M		/	/	/	/	/	/	/	/	/	/	/	/	/
13.	047	Shakthi.S		/	/	/	/	/	/	/	/	/	/	/	/	/
14.	048	Shri Dheiva.R		/	/	/	/	/	/	/	/	/	/	/	/	/
15.	049	Sivagurunathan.G		/	/	/	/	/	/	/	/	/	/	/	/	/
16.	050	Sivakumar.M		/	/	/	/	/	/	/	/	A	A	A	A	/
17.	051	Sivakumar.P		/	/	/	/	/	/	/	/	/	/	/	/	/
18.	052	Sowmiya.V		/	/	/	/	/	/	/	/	/	/	/	/	/
19.	053	Srinidhi.R		/	/	/	/	/	/	/	/	/	/	/	/	/
20.	054	S.Shanmugapriya.A		/	/	/	/	/	/	/	/	A	A	A	A	/
21.	055	Subhiksha.G		/	/	/	/	/	/	/	/	/	/	/	/	/
22.	056	Sukumaran.G		/	/	/	/	/	/	/	/	/	/	/	/	/
23.	057	Tharani.M.N		/	/	/	/	/	/	/	/	/	/	/	/	/
24.	058	Venesha.L		/	/	/	/	/	/	/	/	/	/	/	/	/
25.	059	Vino.A		/	/	/	/	/	/	/	/	/	/	/	/	/
No. of absentess				-	-	-	-	1	1	1	1	3	3	3	3	-
Initial of the Faculty Member				b	b	b	b	b	b	b	b	b	b	b	b	b

Continuous										Assessment Marks (50)										Presentation (5)	CA (75)	Model Test (25)	Total (100)	Internal Marks (20)	Univ Exam Grade
Ex. 1	Ex. 2	Ex. 3	Ex. 4	Ex. 5	Ex. 6	Ex. 7	Ex. 8	Ex. 9	Ex. 10	Ex. 11	Ex. 12	Ex. 13	Ex. 14	Ex. 15	Ex. 16	Ex. 17	Ex. 18	Ex. 19	Ex. 20						
47	46	47	47	48	48	46	48	48	48	49	48	48	49	48	48					9	72	24	96		
46	49	48	49	47	47	47	46	47	49	49	48	49	49	49	48					9	72	20	92		
47	47	48	47	48	47	48	47	48	47	47	47	43	44	45	45					9	71	18	97		
48	47	47	47	45	47	46	47	48	48	46	46	47	47	47	47					8	72	23	95		
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47	48	46	47	48	48	48	48	48	46	47	47	47	48	47	47					9	72	22	94		
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47	48	47	47	48	48	47	48	48	47	48	48	48	49	49	49					8	72	24	96		
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47	47	47	47	48	47	47	47	48	48	47	48	49	49	49	48					9	72	25	94		

BATCH-II TUESDAY

Month: August-2022 & September-2022.

SUBJECT: EC8681 - Microprocessors and Microcontrollers laboratory

S. No.	Roll No.	Name	Date	16	16	16	16	23	23	23	23	30	30	30	30	06
			Period	04	05	06	07	04	05	06	07	04	05	06	07	04
			Cumulative Periods	1	2	3	4	5	6	7	8	9	10	11	12	13
26.	060	Vishnupriya.S		/	/	/	/	/	/	/	/	/	/	/	/	/
27.	301	Balamurugan.K		/	/	/	/	/	/	/	/	/	/	/	/	/
28.	302	Ilaya Bharathi.S		/	/	/	/	/	/	/	/	/	/	/	/	/
29.	303	Raamakrishan.V.R		/	/	/	/	/	/	/	/	/	/	/	/	/
30.	304	Sathya Narayanan.B		/	/	/	/	/	/	/	/	/	/	/	/	/
31.	305	Shankar.S.K		/	/	/	/	/	/	/	/	/	/	/	/	/
32.	306	Subramani Lokesh		/	/	/	/	/	/	/	/	/	/	/	/	/
33.	701	S. Harini Priya		/	/	/	/	/	/	/	/	/	/	/	/	/

Continuous										Assessment Marks (50)										Presentation (10)	CA (75)	Model Test (25)	Total (100)	Internal Marks (20)	Univ Exam Grade
Ex. 1	Ex. 2	Ex. 3	Ex. 4	Ex. 5	Ex. 6	Ex. 7	Ex. 8	Ex. 9	Ex. 10	Ex. 11	Ex. 12	Ex. 13	Ex. 14	Ex. 15	Ex. 16	Ex. 17	Ex. 18	Ex. 19	Ex. 20						
48	49	49	49	49	49	48	49	48	49	48	48	48	49	49	48					9	73	24	97		
48	47	48	47	48	48	48	48	48	48	48	48	48	48	49	48					9	72	21	93		
45	46	45	46	45	45	44	46	46	45	46	46	46	45	45	46	×				7	69	16	85		
47	47	47	48	47	47	47	47	47	48	48	45	46	46	47	47					7	71	15	86		
47	47	48	47	47	48	47	47	48	48	48	47	46	47	47	46					9	72	25	97		
46	47	47	47	48	47	47	47	46	47	48	44	44	45	46	48					8	71	17	88		
47	47	48	47	47	47	48	48	48	48	49	48	47	48	47	47					9	72	19	91		
47	48	47	48	47	47	48	45	45	46	46	46	45	46	46	46					8	70	15	85		

RECORD OF CLASS WORK

Date	Period	Cumulative Hours	Experiment Completed	Initial
			BATCH-I	
			CYCLE-I Experiments	
12/09/2022	04-07	04	Introduction & Basic Arithmetic and Logical Operations.	
26/09/2022	04-07	08	Move a Data Block without Overlap & Code Conversion.	
09/09/2022	04-07	12	Decimal Arithmetic and matrix operation	
09/09/2022	08-09		Floating Point Operation and Password	
15/09/2022	08-09	16	checking	
16/09/2022	04-07	20	String Manipulations and Print RAM Size	
23/09/2022	04-07	24	Sorting and Searching, System date	
30/09/2022	04-07	28	Counter, Time delay and Traffic Light Control	
			Cycle-II Experiments.	
14/10/2022	04-07	32	Introduction to simulation Tool & Stepper motor control	
21/10/2022	04-07	36	Digital clock & Printer Status	
28/10/2022	04-07	40	Key Board and Display	
30/10/2022	04-04	44	Serial and Parallel Interface	
04/11/2022	04-07	48	A/D and D/A Interface and waveform Generation	
05/11/2022	04-07	52	Basic Arithmetic and Logical Operations	1/11/22
06/11/2022	01-04	56	Square & Cube of Numbers, unpacked BCD to ASCII	
08/11/2022	04-07	60	Model Practical	

RECORD OF CLASS WORK

Date	Period	Cumulative Hours	Experiment Completed	Initial
			BATCH-II	
			CYCLE-I Experiments	
16/08/2022	04-07	04	Introduction & Basic Arithmatic and Logical Operations.	
23/09/2022	04-07	08	Move a Data Block without Overlap & Code Conversion.	
30/09/2022	04-07	12	Decimal Arithmetic and Matrix operation	
06/09/2022	04-07	16	Floating Point Operation and Password checking	
13/09/2022	04-07	20	String Manipulations and Print RAM size	
20/09/2022	04-07	24	Sorting and Searching and system Date	
27/09/2022	04-07	28	counters & Time Delay, Traffic light Control	
			CYCLE-II Experiments	
11/10/2022	04-07	32	Introduction to simulation Tool & Stepper motor control	
18/10/2022	04-07	36	Digital Clock & Printer status	
29/10/2022	04-07	40	Key Board and Display	
30/10/2022	05-08	44	Serial and Parallel Interface	
01/11/2022	04-07	48	A/D and D/A Interface and waveform Generation	
06/11/2022	05-08	52	Basic Arithmetic & Logical operation	24/11/22
06/11/2022	08-10	56	Square & Cube of Number	24/11/22
07/11/2022	08-09		Unpacked BCD to ASCII	
11/11/2022	04-07	60	Model Practical	22/11/22

Description	Cycle I Experiments								
	Batch	1	2	3	4	5	6	7	8
Experiment/Exercise Completed on (date)	B1	12/08/22	26/08/22	09/09/22	15/09/22	16/9/22	23/09/22	30/09/22	30/09/22
	B2	16/08/22	23/08/22	30/08/22	06/09/22	13/09/22	20/09/22	27/09/22	27/09/22
Viva-Voce Conducted on (date)	B1	12/08/22	26/08/22	09/09/22	15/09/22	16/9/22	23/09/22	30/09/22	30/09/22
	B2	16/08/22	23/08/22	30/08/22	06/09/22	13/09/22	20/09/22	27/09/22	27/09/22
Record Note Valued on (date)	B1	16/09/22	16/09/22	16/09/22	16/09/22	16/09/22	30/09/22	14/10/22	14/10/22
	B2	06/09/22	06/09/22	06/09/22	06/09/22	20/09/22	27/09/22	11/10/22	11/10/22
Signature of the Faculty member									
HOD's Signature and Remarks									

Description	Cycle II Experiments							
	Batch	9	10	11	12	13	14	15	16
Experiment/Exercise Completed on (date)	B1	14/10/22	21/10/22	28/10/22	30/10/22	04/11/22	05/11/22	06/11/22	06/11/22
	B2	11/10/22	18/10/22	29/10/22	30/10/22	06/11/22	06/11/22	03/11/22	03/11/22
Viva-Voce Conducted on (date)	B1	14/10/22	21/10/22	28/10/22	30/10/22	04/11/22	05/11/22	06/11/22	6/11/22
	B2	11/10/22	18/10/22	29/10/22	30/10/22	06/11/22	06/11/22	03/11/22	03/11/22
Record Note Valued on (date)	B1	21/10/22	28/10/22	28/10/22	30/10/22	04/11/22	05/11/22	06/11/22	06/11/22
	B2	18/10/22	18/10/22	29/10/22	30/10/22	06/11/22	06/11/22	03/11/22	03/11/22
Signature of the Faculty member									
HOD's Signature and Remarks									

EC8681 Microprocessors and Microcontrollers Laboratory

B.E. Computer Science and Engineering

III Year/V Semester

Regulation-2017

Prepared by

Mr.B.Kannan

Assistant Professor (Sr. Gr.)



Department of Electronics and Communication Engineering

Ramco Institute of Technology

Rajapalayam-626117

COURSE OUTCOME END SURVEY

Department of Electronics and Communication Engineering

Academic Year: 2022-2023 (Odd Semester)

Course Code & Title: EC8681 Microprocessors and Microcontrollers Laboratory
Course Index & Year of Study: C309 & 2022-2023 (Odd Semester)
Degree, Semester & Branch: V Semester B.E. CSE
Name of the Faculty member: Mr.B.Kannan

Course Objectives and Outcomes

Course Objectives:

1. To make the student to verify basic arithmetic operation, logical operations and data movement using 8086 ALP.
2. To enable the students to implement code conversion, decimal arithmetic and matrix operations.
3. To make the student to implement floating point operations, string manipulations, sorting and searching.
4. To illustrate the student to implement 8086/8051 based system using peripherals and interfaces.
5. To familiarize the student to implement arithmetic, logical operations, square and cube program using 8051 microcontroller and MASM software.

Course Outcomes:

After completion of the course, it is expected that:

CO	CO Statement	Experiments	Level
CO1	Write ALP program for arithmetic operations, logical operations, and data movement using 8086 microprocessor instructions.	1 & 2	L2 (Cog)
CO2	Implement an ALP program for code conversion, decimal arithmetic, and matrix operations using 8086 instructions and MASM software tools.	3, 5 & 6	L2 (Cog)
CO3	Generate results for floating-point operations, string manipulations, sorting, and searching using 8086 microprocessor instructions.	4	L3 (Cog)
CO4	Construct 8086-based systems using peripherals and interfaces.	7 to 13	L3 (Cog)
CO5	Calculate outputs for arithmetic operations, logical operations, square of a number and the cube of a number using an 8051 microcontroller.	14 to 16	L3 (Cog)
CO6	Create/Simulate real time system using 8051 microcontroller/Virtual Laboratory/Online Simulators.	-	L3 (Psy)

Course Outcome End survey:

Q. No.	Question	5 (High)	4	3	2	1 (Low)
1.	Are you able to program for arithmetic operations, logical operations, and data movement using 8086 microprocessor instructions?	-	✓	-	-	-
2.	Will you be able to implement an ALP program for code conversion, decimal arithmetic, and matrix operations using 8086 instructions and MASM software tools?	-	✓	-	-	-
3.	Can you be able to generate results for floating-point operations, string manipulations, sorting, and searching using 8086 microprocessor instructions?	✓	-	-	-	-
4.	Will you be able to construct 8086-based systems using peripherals and interfaces?	-	✓	-	-	-
5.	Can you calculate outputs for arithmetic operations, logical operations, square of a number and the cube of a number using an 8051 microcontroller?	-	✓	-	-	-
6.	Is it possible to use learned experiments to create/Simulate real time system using 8051 microcontroller/Virtual Laboratory/Online Simulators?	-	✓	-	-	-

COURSE OUTCOME END SURVEY

58 responses

Publish analytics

Register Number:

58 responses

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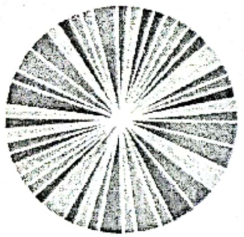

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- 953620104002
- 953620104003
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- 953620104005
- 953620104006
- 953620104007
- 953620104008

1/9

Name of the Students

58 responses

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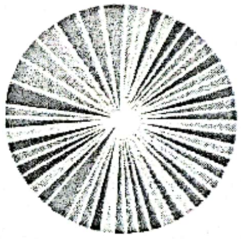

- 1. AANANDA GANESAN R
- 2. ABINAYA M
- 3. AKHASH ARAVIND P
- 4. BALAMURALIKRISHN...
- 5. BHUVANESHWARI S
- 6. BOWYAA L
- 7. DHARANI RAJ V
- 8. DHIRAJ N

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Unit-I Q1. Are you able to program for arithmetic operations, logical operations, and data movement using 8086 microprocessor instructions?

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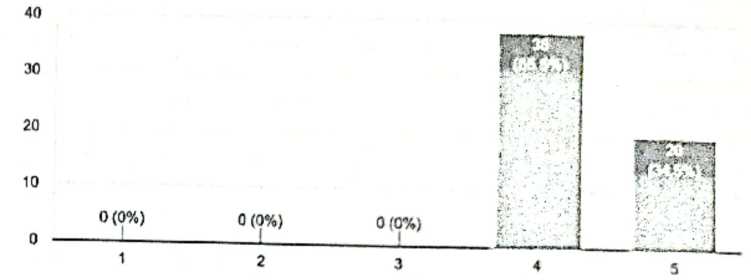

Unit-II Q2. Will you be able to implement an ALP program for code conversion, decimal arithmetic, and matrix operations using 8086 instructions and MASM software tools?

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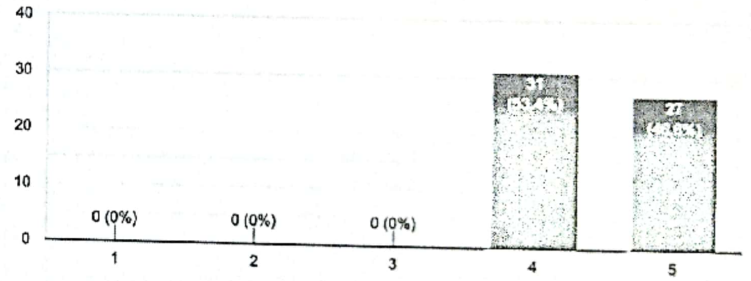
58 responses



Unit-III Q3. Can you be able to generate results for floating-point operations, string manipulations, sorting, and searching using 8086 microprocessor instructions?

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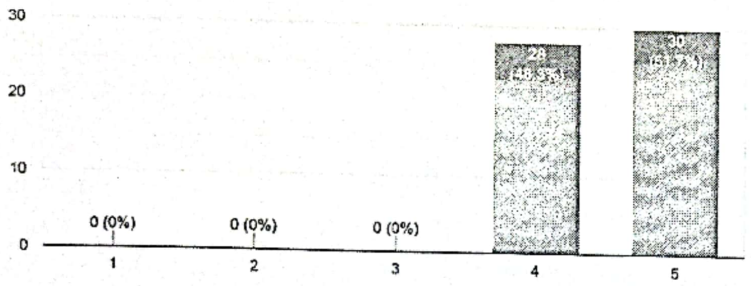

Unit-IV Q4. Will you be able to construct 8086-based systems using peripherals and interfaces?

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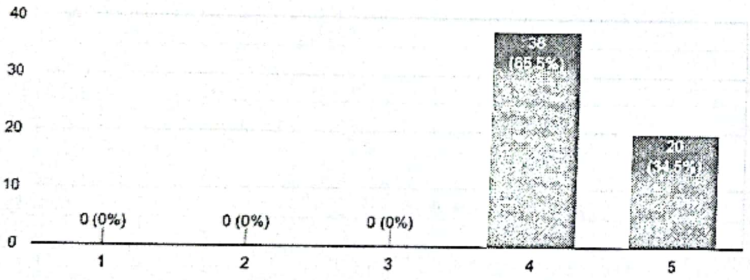
58 responses



Unit-V Q5. Can you calculate outputs for arithmetic operations, logical operations, square of a number and the cube of a number using an 8051 microcontroller?

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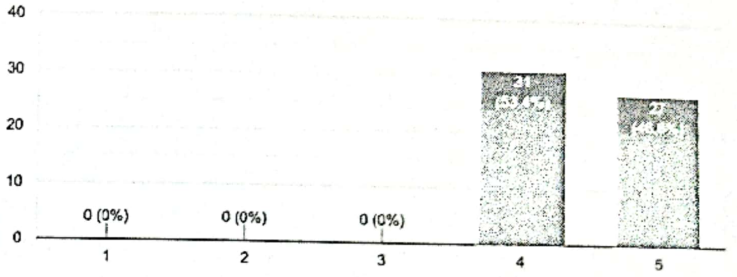
58 responses



Q6. Is it possible to use learned experiments to create/Simulate real time system using 8051 microcontroller/Virtual Laboratory/Online Simulators?

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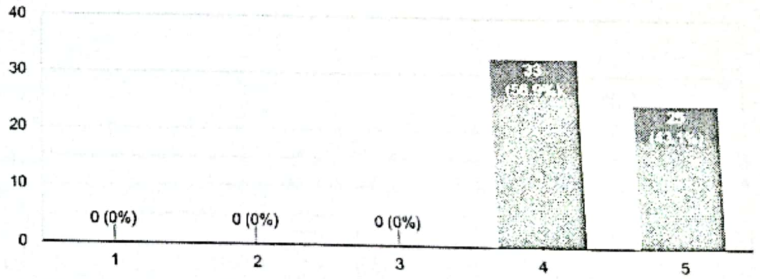
58 responses



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RAMCO INSTITUTE OF TECHNOLOGY, RAJAPALAYAM.
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
Academic Year: 2022-2023 (Odd Semester)

MODEL PRACTICAL EXAMINATION QUESTION

EC8681 MICROPROCESSOR AND MICROCONTROLLER LABORATORY

Degree, Semester & Branch: V Semester B.E. CSE
Date: 08/11/2022 & 11/11/2022
Duration: 3 hours **Max.Marks:100**

Mark Allocation					
Aim/Principle/ Apparatus Required/ Procedure	Program/ Tabulation	Execution & Results	Viva-Voce	Record	Total
15	40	25	10	10	100

1.	a) Write and execute an assembly language program to perform addition of two 8-bit numbers with indirect addressing mode using 8086 Microprocessor. (50) b) Perform division of 32/16 bit data using 8086 Microprocessor. (50)
2.	a) Write and execute an 8086 ALP to perform subtraction of two 16-bit numbers. (50) b) Perform addition of two BCD numbers using 8086 microprocessor. (50)
3.	a) Write and execute an 8086 assembly language program to find smallest number in an array. (50) b) Perform addition of two arrays using 8086 microprocessor. (50)
4.	Write and execute an assembly language program to perform the following arithmetic operations for 8086 processor (a) Multiplication of two 16-bit numbers. (50) (b) Division of 16/8 bit number. (50)
5.	a) Write and execute an assembly language program to perform Logical 'XOR' of two 8-bit numbers using 8086. (50) b) Write and execute an 8086 assembly language program to find largest number in an array. (50)
6.	Write and execute an assembly language program to find the largest and smallest number in an array using 8086 microprocessor. (100)
7.	Write and execute an assembly language program to sort an array in ascending and descending order using 8086 microprocessor. (100)
8.	Write and execute an assembly language program to perform code conversions from HEX to ASCII using 8086. (100)
9.	Write and execute an assembly language program to perform code conversions from Binary to BCD and vice versa using 8086. (100)
10.	Write and execute an assembly language program for addition and subtraction of two matrices using 8086 microprocessor. (100)
11.	a) Write and execute an assembly language program to move a block of data without overlapping using 8086 Microprocessor. (50) b) Perform addition of two arrays using 8086 microprocessor. (50)
12.	Write and execute an assembly language program using 8086 to rotate the stepper motor in clockwise and anticlockwise directions. (100)

13.	Write and execute an assembly language program using 8086 for Traffic Light Control system. (100)
14.	Write and execute an assembly language program using 8086 for interfacing 8279 interface kit and to display the message "HELLO" in display. (100)
15.	Write and execute an 8086 assembly language program to establish parallel communication in Mode 0 and Mode 1using 8255. (100)
16.	Write and execute an 8086 assembly language program for interfacing DAC kit and to generate saw tooth and square waveforms. (100)
17.	a) Write and execute an 8051assembly language program to add two 8-bit numbers. (50) b) Write and execute an assembly language program to perform unpacked BCD to ASCII code conversion using 8051 Microcontroller. (50)
18.	Write and execute an 8051 assembly language program for performing Subtraction and Logical 'XOR' operation of two 8 bit numbers. (100)
19.	Write and execute an assembly language program for performing multiplication and division of two 8 bit numbers using 8051 and store the result in memory. (100)
20.	a) Write and execute an assembly language program to obtain the 2's complement of a number using 8051 Microprocessor. (50) b) Write and execute an assembly language program to obtain the logical AND and OR output of two 8 bit numbers using 8051 Microcontroller. (50)
21.	a) Write and execute an assembly language program to find the square of a number using 8051 Microcontroller. (50) b) Write and execute an assembly language program to obtain the logical 'AND' output of two 8- bit numbers using 8051 Microcontroller. (50)
22.	Write and execute an assembly language program to find the square and cube of a number using 8051 Microcontroller. (100)
23.	a) Write and execute an ALP to perform the subtraction of two matrices using 8086. (50) b) Write and execute an ALP to perform 8-bit multiplication using MASM software. (50)
24.	a) Write and execute an ALP to sort an array in descending order using 8086. (50) b) Write and execute an ALP to perform 8-bit addition using MASM software. (50)
25.	a) Write and execute an assembly language program to perform addition of two 8-bit numbers with indirect addressing mode using 8086 Microprocessor. (50) b) Perform division of 32/16 bit data using 8086 Microprocessor. (50)
26.	a) Write and execute an assembly language program to find the square of a number using 8051 Microcontroller. (50) b) Write and execute an assembly language program to obtain the logical 'AND' output of two 8-bit numbers using 8051 Microcontroller. (50)
27.	a) Write and execute an assembly language program to obtain the 2's complement of a number using 8051 Microprocessor. (50) b) Write and execute an assembly language program to obtain the logical AND and OR output of two 8 bit numbers using 8051 Microcontroller. (50)

08/11/22

Signature of the Faculty member

8/11/22

HOD

RAMCO INSTITUTE OF TECHNOLOGY, RAJAPALAYAM.
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
Academic Year: 2022-2023 (Odd Semester)
MODEL PRACTICAL EXAMINATION QUESTION

EC8681 MICROPROCESSOR AND MICROCONTROLLER LABORATORY

Degree, Semester & Branch: V Semester B.E. CSE
Date: 08/11/2022 & 11/11/2022
Duration: 3 hours **Max.Marks:100**

Mark Allocation					
Aim/Principle/ Apparatus Required/ Procedure	Program/ Tabulation	Execution & Results	Viva-Voce	Record	Total
15	40	25	10	10	100

1.	a) Perform subtraction of two 16-bit numbers with 'Direct addressing mode' using 8086. b) Write and execute an ALP to find the largest element in an array using 8086.	(50) (50)
2.	a) Write and execute an ALP to perform 16-bit addition in 'Indirect addressing mode' using 8086. b) Find the smallest element from an array using 8086.	(50) (50)
3.	a) Write and execute an ALP to perform 16-bit multiplication using 8086. b) Sort the given array in descending order using 8086.	(50) (50)
4.	a) Write and execute an ALP to perform 16-bit division in 'Direct addressing mode' using 8086. b) Sort the given array in ascending order using 8086.	(50) (50)
5.	a) Write and execute an ALP to perform addition two arrays of data using 8086. b) Write and execute an ALP to move a block of data from one memory location to another location without overlapping using 8086.	(50) (50)
6.	a) Write and execute an ALP to perform BCD subtraction using 8086. b) Perform addition of two matrices using 8086 assembly language program.	(50) (50)
7.	a) Write and execute an ALP to perform BCD addition using 8086. b) Perform logical 'OR' and 'AND' operations for an 8-bit data using 8086 assembly language.	(50) (50)
8.	a) Write and execute an ALP to perform code conversion from Binary to BCD using 8086. b) Convert the ASCII number to its corresponding Hexadecimal number using 8086.	(50) (50)
9.	Write and execute an ALP to find the largest and smallest number in an array using 8086.	(100)
10.	a) Write and execute an ALP to obtain the 2's complement of a number using 8086. b) Write and execute an ALP to perform BCD addition using 8086.	(50) (50)
11.	Write and execute an 8086 ALP for Traffic Light Control system	(100)
12.	Write and execute an ALP to rotate the stepper motor in clockwise and anti-clockwise direction using 8086.	(100)
13.	Write and execute an ALP to establish serial communication between 8086 microprocessor and serial interface kit.	(100)
14.	Write and execute an ALP for generating triangular and square waveform by interfacing Digital to Analog converter with 8086 Microprocessor.	(100)

15.	Write and execute an 8086 ALP for interfacing keyboard/Display kit and to display the message "HELLO" in the display.	(100)
16.	Write and execute an assembly language program using 8086 to read the data from the keyboard and to display it.	(100)
17.	a) Perform addition of two 8-bit numbers using 8051 microcontroller kit. b) Perform 2's complement of a number using 8051 microcontroller kit.	(50) (50)
18.	a) Write and execute an ALP using 8051 to perform subtraction of two 8-bit numbers. b) Find the cube of a number using 8051 microcontroller kit.	(50) (50)
19.	a) Write and execute an ALP using 8051 to perform multiplication of two 8-bit numbers. b) Find the square of a number using 8051 microcontroller kit.	(50) (50)
20.	a) Write and execute an ALP using 8051 to perform 8-bit division. b) Write and execute an ALP using 8051 to perform code conversion from unpacked BCD to ASCII.	(50) (50)
21.	a) Write and execute an ALP using 8051 to perform 8-bit logical operations. b) Perform 2's complement of a number using 8051 microcontroller kit.	(50) (50)
22.	Write and execute an 8086 Assembly language for password checking and to print the RAM size.	(100)
23.	a) Sort an array in ascending order using 8086. b) Write and execute an ALP to perform 16-bit addition using MASM software.	(50) (50)
24.	a) Write and execute an ALP to sort an array in descending order using 8086. b) Write and execute an ALP to perform 8-bit multiplication using MASM software.	(50) (50)
25.	a) Perform subtraction of two 16-bit numbers with 'Direct addressing mode' using 8086. b) Write and execute an ALP to find the largest element in an array using 8086.	(50) (50)
26.	Write and execute an ALP for generating triangular and square waveform by interfacing Digital to Analog converter with 8086 Microprocessor.	(100)

8/11/22

Signature of the Faculty member

8/11/22

HOD

RAMCO INSTITUTE OF TECHNOLOGY

Department of Electronics and Communication Engineering

Academic Year: 2022-2023 (Odd Semester)

Attendance for Model Practical Examination

Degree, Semester & Branch: V Semester B.E. CSE
Course Code & Title: EC8681 Microprocessor and Microcontroller Laboratory
Name of the Faculty member: Mr.B.Kannan
Date: 08.11.2022 and 11.08.2022

Sl. No.	Reg. No.	Name of the Student	Date	Signature
1.	953620104001	AANANDA GANESAN R	10.11.22	
2.	953620104002	ABINAYA M	10.11.22	M.Abinaya
3.	953620104003	AKHASH ARAVIND P	11.11.22	P.
4.	953620104004	BALAMURALIKRISHNA R N	11.11.22	B.M.B
5.	953620104005	BHUVANESHWARI S	11.11.2022	S.Bhuvaneshwari
6.	953620104006	BOWYAA L	11.11.2022	
7.	953620104007	DHARANI RAJ V	11.11.2022	Dharani Raj. V
8.	953620104008	DHIRAJ N	11/11/22	N. Dhiraj
9.	953620104009	DIVYA M K	11/11/22	DIVYA M.K
10.	953620104010	GAYATHRI DEVI S	11/11/22	S.Gayathri
11.	953620104011	GNANAGURU VIGNESH J	11/11/22	J.Gnanaguru Vignesh
12.	953620104012	GOPIY K J	11/11/22	K.J.Gopiy
13.	953620104013	GOWTHAM KARTHIKEYAN M	11/11/2022	M.Gowtham Karthikeyan
14.	953620104014	HARINISRIVALLI V	11/11/22	V.Harinisrivalli
15.	953620104015	HARSHA R	11/11/22	R.Harsha
16.	953620104016	IJAAS AHAMAD M	11/11/22	
17.	953620104017	JEGADESH B	11.11.22.	
18.	953620104018	JELENA JOPHIN J	11.11.2022	
19.	953620104019	JOE ALAN R S	11.11.2022	
20.	953620104021	JOTHI LINGAPANDIAN M	11.11.22	
21.	953620104022	KAMINI K	11.11.2022	
22.	953620104023	KARTHIKEYAN B	11.11.22	B.Karthikeyan
23.	953620104024	KARUNYA V	11.11.2022	Karunya.V
24.	953620104025	KEERTHANA V	11.11.2022	V.Keerthana
25.	953620104026	K SYED ASLAM	11.11.2022	K.Syed Aslam
26.	953620104027	KUMAR M	11.11.2022	M.Kumar
27.	953620104028	LAKSHMI PRIYA G	11.11.22	
28.	953620104029	MUGESH M	11.11.22	M.Mugesh
29.	953620104030	MUTHU BRIJESH R	11.11.22	R.Muthubrijesh
30.	953620104031	MUTHU KUMAR K	11.11.2022	K.Muthu Kumar
31.	953620104032	NISHASHREE M	11.11.22	Nisha.Shree
32.	953620104033	PARANTHAMAN J	11.11.22	J.
33.	953620104034	PAVITHRA K	11.11.22	K.Pavithra

Sl. No.	Reg. No.	Name of the Student	Date	Signature
34.	953620104035	POOJALAKSHMI T	8/11/22	
35.	953620104036	P PREETHA	8/11/22	
36.	953620104037	PRAVEEN S	8/11/22	
37.	953620104038	RAGAVI V G	8/11/22	
38.	953620104039	RAJA DHARSHINI .S	8/11/22	
39.	953620104040	RAJALAKSHMI R U	8/11/22	
40.	953620104041	RAJASEKARAN T	8/11/22	
41.	953620104042	SARAVANA JOTHI G	8/11/22	
42.	953620104043	SARUMATHI M	8/11/22	
43.	953620104044	SATHISH KANNAN M	8/11/22	
44.	953620104045	SATHISHKUMAR K	8/11/22	
45.	953620104046	SHAKTHEE SARAVANA M	8/11/22	
46.	953620104047	SHAKTHI S	8/11/22	
47.	953620104048	SHRI DHEIVA R	8/11/22	
48.	953620104049	SIVAGURUNATHAN G	8/11/22	
49.	953620104050	SIVAKUMAR M	08/11/22	
50.	953620104051	SIVAKUMAR P	08/11/22	
51.	953620104052	SOWMIYA V	8/11/22	
52.	953620104053	SRINIDHI R	08/11/22	
53.	953620104054	S SHANMUGAPRIYA	08/11/22	
54.	953620104055	SUBHIKSHA G	08/11/22	
55.	953620104056	SUKUMARAN G	08/11/22	
56.	953620104057	THARANI M N	8/11/22	
57.	953620104058	VENESHA L	8/11/22	
58.	953620104059	VINO A	08/11/22	
59.	953620104060	VISHNUPRIYA S	8/11/22	
60.	953620104301	BALAMURUGAN K	8/11/22	
61.	953620104302	ILAYA BHARATHI S	8/11/22	
62.	953620104303	RAAMAKRISHNAN V R	8/11/22	
63.	953620104304	SATHYA NARAYANAN B	8/11/22	
64.	953620104305	SHANKAR S K	8/11/22	
65.	953620104306	SUBRAMANI LOKESH	8/11/22	
66.	953620104701	S HARINE PRIYA	8.11.22	

11/11/2022

Signature of the Faculty member(s)

11/11/22

HOD

RAMCO INSTITUTE OF TECHNOLOGY

Department of Electronics and Communication Engineering

Academic Year: 2022-2023 (Odd Semester)

Marks Statement for Model Practical Examination

Degree, Semester & Branch: V Semester B.E. CSE
Course Code & Title: EC8681 Microprocessor and Microcontroller Laboratory
Name of the Faculty member: Mr.B.Kannan

Max. Marks: 100

Sl. No.	Reg. No.	Name of the Student	Marks Scored
1.	953620104001	Aananda Ganesan R	70
2.	953620104002	Abinaya M	88
3.	953620104003	Akhash Aravind P	63
4.	953620104004	Balamuralikrishna R N	70
5.	953620104005	Bhuvaneshwari S	92
6.	953620104006	Bowyaa L	98
7.	953620104007	Dharani RAJ V	78
8.	953620104008	Dhiraj N	80
9.	953620104009	Divya M K	65
10.	953620104010	Gayathri Devi S	86
11.	953620104011	Gnanaguru Vignesh J	67
12.	953620104012	Gopiy K J	72
13.	953620104013	Gowtham Karthikeyan M	96
14.	953620104014	Harinisrivalli V	60
15.	953620104015	Harsha R	92
16.	953620104016	Ijaas Ahamad M	65
17.	953620104017	Jegadesh B	67
18.	953620104018	Jelena Jophin J	70
19.	953620104019	Joe Alan R S	70
20.	953620104021	Jothi Lingapandian M	60
21.	953620104022	Kamini K	87
22.	953620104023	Karthikeyan B	92
23.	953620104024	Karunya V	62
24.	953620104025	Keerthana V	62
25.	953620104026	K Syed Aslam	62
26.	953620104027	Kumar M	60
27.	953620104028	Lakshmi Priya G	77
28.	953620104029	Mugesh M	72
29.	953620104030	Muthu Brijesh R	93
30.	953620104031	Muthu Kumar K	95
31.	953620104032	Nishashree M	96
32.	953620104033	Paranthaman J	98

Sl. No.	Reg. No.	Name of the Student	Marks Scored
33.	953620104034	Pavithra K	61
34.	953620104035	Poojalakshmi T	93
35.	953620104036	P Preetha	80
36.	953620104037	Praveen S	63
37.	953620104038	Ragavi V G	90
38.	953620104039	Raja Dharshini .S	85
39.	953620104040	Rajalakshmi R U	86
40.	953620104041	Rajasekaran T	78
41.	953620104042	Saravana Jothi G	98
42.	953620104043	Sarumathi M	94
43.	953620104044	Sathish Kannan M	91
44.	953620104045	Sathishkumar K	85
45.	953620104046	Shakthee Saravana M	60
46.	953620104047	Shakthi S	90
47.	953620104048	Shri Dheiva R	98
48.	953620104049	Sivagurunathan G	67
49.	953620104050	Sivakumar M	71
50.	953620104051	Sivakumar P	96
51.	953620104052	Sowmiya V	60
52.	953620104053	Srinidhi R	92
53.	953620104054	S Shanmugapriya	79
54.	953620104055	Subhiksha G	87
55.	953620104056	Sukumaran G	60
56.	953620104057	Tharani M N	98
57.	953620104058	Venesha L	97
58.	953620104059	Vino A	85
59.	953620104060	Vishnupriya S	96
60.	953620104301	Balamurugan K	82
61.	953620104302	Ilaya Bharathi S	64
62.	953620104303	Raamakrishnan V R	60
63.	953620104304	Sathya Narayanan B	98
64.	953620104305	Shankar S K	67
65.	953620104306	Subramani Lokesh	75
66.	953620104701	S Harine Priya	60

16/11/22

Signature of the Valuer with date:

16/11/22

HOD

RAMCO INSTITUTE OF TECHNOLOGY

Approved by AICTE, New Delhi & Affiliated to Anna University
Accredited by NAAC & An ISO 9001: 2015 Certified Institution
NBA Accredited UG Programs: CSE, EEE, ECE and MECH

PORTAL4 - 2022-2023/ODD THIRD YEAR-CSE
EC8681-Microprocessors and Microcontrollers Laboratory

Verify the Marks that you have Entered
-1 indicates Absent

S.No.	Reg. No.	Name of the Student	Marks			
			PVR(100)	PVR(75)	Model Lab / Seminar(25)	Total(100)
1	953620104001	AANANDA GANESAN R	97	73	18	91
2	953620104002	ABINAYA M	96	72	22	94
3	953620104003	AKHASH ARAVIND P	98	74	16	90
4	953620104004	BALAMURALIKRISHNA R N	93	70	18	88
5	953620104005	BHUVANESHWARI S	95	72	23	95
6	953620104006	BOWYAA L	96	72	25	97
7	953620104007	DHARANI RAJ V	94	71	20	91
8	953620104008	DHIRAJ N	94	71	20	91
9	953620104009	DIVYA M K	97	73	17	90
10	953620104010	GAYATHRI DEVI S	95	72	22	94
11	953620104011	GNANAGURU VIGNESH J	96	72	17	89
12	953620104012	GOPIY K J	96	72	18	90
13	953620104013	GOWTHAM KARTHIKEYAN M	97	73	24	97
14	953620104014	HARINISRIVALLI V	96	72	15	87
15	953620104015	HARSHA R	97	73	23	96
16	953620104016	IJAAS AHAMAD M	96	72	17	89
17	953620104017	JEGADESH B	95	72	17	89
18	953620104018	JELENA JOPHIN J	96	72	18	90
19	953620104019	JOE ALAN R S	98	74	18	92
20	953620104021	JOTHI LINGAPANDIAN M	94	71	15	86
21	953620104022	KAMINI K	96	72	22	94
22	953620104023	KARTHIKEYAN B	96	72	23	95
23	953620104024	KARUNYA V	96	72	16	88
24	953620104025	KEERTHANA V	96	72	16	88
25	953620104026	SYED ASLAM K	96	72	16	88
26	953620104027	KUMAR M	96	72	15	87
27	953620104028	LAKSHMI PRIYA G	97	73	20	93
28	953620104029	MUGESH M	97	73	18	91
29	953620104030	MUTHU BRIJESH R	95	72	24	96
30	953620104031	MUTHU KUMAR K	96	72	24	96
31	953620104032	NISHASHREE M	96	72	24	96
32	953620104033	PARANTHAMAN J	96	72	25	97

S.No.	Reg. No.	Name of the Student	Marks			
			PVR(100)	PVR(75)	Model Lab / Seminar(25)	Total(100)
33	953620104034	PAVITHRA K	96	72	16	88
34	953620104035	POOJALAKSHMI T	96	72	24	96
35	953620104036	PREETHA P	96	72	20	92
36	953620104037	PRAVEEN S	94	71	16	87
37	953620104038	RAGAVI V G	95	72	23	95
38	953620104039	RAJADHARSHINI S	97	73	22	95
39	953620104040	RAJALAKSHMI R U	95	72	22	94
40	953620104041	RAJASEKARAN T	96	72	20	92
41	953620104042	SARAVANA JOTHI G	96	72	25	97
42	953620104043	SARUMATHI M	96	72	24	96
43	953620104044	SATHISH KANNAN M	91	69	23	92
44	953620104045	SATHISHKUMAR K	97	73	22	95
45	953620104046	SHAKTHEE SARAVANA M	93	70	15	85
46	953620104047	SHAKTHI S	95	72	23	95
47	953620104048	SHRI DHEIVA R	97	73	25	98
48	953620104049	SIVAGURUNATHAN G	94	71	17	88
49	953620104050	SIVAKUMAR M	95	72	18	90
50	953620104051	SIVAKUMAR P	97	73	24	97
51	953620104052	SOWMIYA V	95	72	15	87
52	953620104053	SRINIDHI R	96	72	23	95
53	953620104054	SHANMUGAPRIYA S	96	72	20	92
54	953620104055	SUBHIKSHA G	97	73	22	95
55	953620104056	SUKUMARAN G	96	72	15	87
56	953620104057	THARANI M N	95	72	25	97
57	953620104058	VENESHA L	96	72	25	97
58	953620104059	VINO A	95	72	22	94
59	953620104060	VISHNUPRIYA S	97	73	24	97
60	953620104301	BALAMURUGAN K	96	72	21	93
61	953620104302	ILAYABHARATHI S	92	69	16	85
62	953620104303	RAAMAKRISHNAN V R	94	71	15	86
63	953620104304	SATHYANARAYANAN B	95	72	25	97
64	953620104305	SHANKAR S K	94	71	17	88
65	953620104306	SUBRAMANI LOKESH	96	72	19	91
66	953620104701	HARINI PRIYA S	93	70	15	85

16/11/22

Signature of Faculty

16/11/22

HoD

RAMCO INSTITUTE OF TECHNOLOGY

Department of Electronics and Communication Engineering

Academic Year: 2022-2023 (Odd Semester)

Degree, Semester & Branch: V Semester B.E. CSE

Course Code & Title: EC8681 Microprocessor and Microcontroller Laboratory **Name of the Faculty Members:** Mr.B.Kannan

Sl. No.	Register No.	Name of the Student	Expt. 1	Expt. 2	Expt. 3	Expt. 4	Expt. 5	Expt. 6	Expt. 7	Expt. 8	Expt. 9	Expt. 10	Expt. 11	Expt. 12	Expt. 13	Expt. 14	Expt. 15	Expt. 16	Average (100)
1.	953620104001	Aananda Ganesan R	96	96	96	98	96	98	96	96	98	98	96	98	96	96	96	98	97
2.	953620104002	Abinaya M	96	94	96	94	96	96	94	90	94	94	96	98	96	96	98	96	95
3.	953620104003	Akhash Aravind P	96	96	96	98	100	96	98	98	100	96	96	98	96	98	98	98	97
4.	953620104004	Balamuralikrishna R N	94	92	94	92	94	92	94	96	92	94	94	88	90	92	92	92	93
5.	953620104005	Bhuvaneshwari S	86	90	92	96	96	96	96	94	96	96	94	96	96	98	98	98	95
6.	953620104006	Bowyaa L	96	94	96	94	96	94	94	96	96	94	96	96	94	96	96	98	95
7.	953620104007	Dharani RAJ V	96	92	94	94	94	92	96	96	94	96	94	88	90	92	92	92	93
8.	953620104008	Dhiraj N	96	94	94	92	92	94	92	92	94	92	92	94	92	94	92	94	93
9.	953620104009	Divya M K	96	96	96	96	98	96	96	98	98	96	96	98	98	98	96	96	97
10.	953620104010	Gayathri Devi S	90	88	94	96	96	96	96	94	96	96	94	96	96	96	98	98	95
11.	953620104011	Gnanaguru Vignesh J	96	94	94	94	96	96	98	98	94	96	98	96	96	96	98	94	96
12.	953620104012	Gopiy K J	96	98	96	96	98	96	96	94	94	94	94	98	96	98	96	96	96
13.	953620104013	Gowtham Karthikeyan M	96	94	98	96	94	96	96	98	96	96	98	96	96	96	98	98	96
14.	953620104014	Harinisrivalli V	96	94	96	94	96	94	96	94	96	94	96	96	96	94	98	98	96
15.	953620104015	Harsha R	96	96	94	94	96	96	96	96	98	96	98	98	96	96	98	98	96
16.	953620104016	Ijaas Ahamad M	94	96	94	96	98	96	96	96	94	96	96	98	96	96	98	96	96
17.	953620104017	Jegadesh B	96	94	94	96	96	96	96	96	98	90	90	92	94	94	94	90	94
18.	953620104018	Jelena Jophin J	96	96	94	94	96	96	94	96	96	96	96	96	96	96	96	98	96
19.	953620104019	Joe Alan R S	96	96	94	98	98	100	100	98	98	100	98	96	98	96	96	98	98
20.	953620104021	Jothi Lingapandian M	94	92	94	92	92	94	94	92	94	90	92	94	90	94	96	96	93
21.	953620104022	Kamini K	96	94	94	96	96	96	96	96	96	94	96	98	98	98	96	96	96

22.	953620104023	Karthikeyan B	96	94	96	94	94	94	96	94	94	96	98	96	98	96	98	96	96
23.	953620104024	Karunya V	94	96	96	94	96	94	96	96	96	96	96	96	94	96	98	94	96
24.	953620104025	Keerthana V	96	96	94	96	94	96	94	94	96	94	96	94	96	98	96	98	96
25.	953620104026	K Syed Aslam	94	94	94	96	94	94	94	94	96	96	96	96	96	96	96	96	95
26.	953620104027	Kumar M	94	96	94	94	94	96	94	94	94	94	94	96	96	98	98	98	95
27.	953620104028	Lakshmi Priya G	96	96	98	96	94	96	98	98	96	94	98	98	96	96	98	96	97
28.	953620104029	Mugesh M	96	96	96	98	98	96	98	94	96	96	94	96	96	98	96	96	96
29.	953620104030	Muthu Brijesh R	86	90	94	94	94	94	94	94	96	96	96	96	98	96	98	98	95
30.	953620104031	Muthu Kumar K	96	96	94	94	96	96	96	96	96	96	96	94	98	98	96	98	96
31.	953620104032	Nishashree M	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96
32.	953620104033	Paranthaman J	96	94	96	96	96	96	94	94	94	96	96	96	96	98	98	96	96
33.	953620104034	Pavithra K	96	94	96	94	96	96	98	96	96	94	96	94	96	96	98	98	96
34.	953620104035	Poojalakshmi T	94	96	94	94	96	96	96	96	96	96	98	96	96	98	96	96	96
35.	953620104036	P Preetha	96	98	96	94	94	94	94	92	94	94	98	96	98	98	98	96	96
36.	953620104037	Praveen S	94	94	94	94	96	94	96	94	96	94	94	94	86	88	90	90	93
37.	953620104038	Ragavi V G	96	94	94	94	96	94	96	96	94	96	92	92	94	94	94	94	94
38.	953620104039	Raja Dharshini .S	98	96	96	96	94	96	96	96	96	96	98	98	96	98	98	98	97
39.	953620104040	Rajalakshmi R U	94	96	96	94	96	96	96	96	96	92	94	94	94	96	94	94	95
40.	953620104041	Rajasekaran T	96	96	98	96	94	94	96	94	96	94	96	94	96	96	96	96	96
41.	953620104042	Saravana Jothi G	94	96	96	96	96	96	96	96	96	94	92	94	94	94	96	96	95
42.	953620104043	Sarumathi M	94	96	94	94	96	96	94	96	96	94	96	96	96	98	98	98	96
43.	953620104044	Sathish Kannan M	92	92	92	88	88	92	92	92	92	92	92	88	90	90	92	86	91
44.	953620104045	Sathishkumar K	96	98	96	94	96	96	96	96	96	94	96	96	96	98	98	96	96
45.	953620104046	Shakthee Saravana M	94	96	94	96	94	94	96	96	94	90	88	86	90	90	90	92	93
46.	953620104047	Shakthi S	96	94	94	94	96	96	96	96	96	96	94	94	94	94	94	94	95
47.	953620104048	Shri Dheiva R	96	96	96	94	96	96	96	94	96	96	98	96	94	98	98	98	96
48.	953620104049	Sivagurunathan G	96	94	94	94	94	94	96	96	96	96	94	88	90	92	92	92	94
49.	953620104050	Sivakumar M	92	94	90	94	94	94	94	94	94	94	96	98	96	98	96	96	95
50.	953620104051	Sivakumar P	98	96	94	96	96	94	96	94	96	98	96	96	96	96	98	98	96

51.	953620104052	Sowmiya V	94	94	94	94	94	94	94	94	96	96	96	92	92	94	94	94	94
52.	953620104053	Srinidhi R	94	94	94	96	94	96	94	94	98	96	98	98	96	98	98	96	96
53.	953620104054	S Shanmugapriya	96	94	94	94	94	94	96	94	96	96	98	98	98	98	96	96	96
54.	953620104055	Subhiksha G	96	96	98	94	96	96	94	96	96	96	98	98	96	96	98	98	96
55.	953620104056	Sukumaran G	94	94	94	94	96	96	94	96	96	96	98	98	96	96	98	98	96
56.	953620104057	Tharani M N	94	96	94	96	94	96	94	96	94	96	98	96	96	98	98	98	96
57.	953620104058	Venesha L	96	98	96	96	96	96	96	96	96	96	92	92	92	92	92	94	95
58.	953620104059	Vino A	94	94	94	94	96	94	94	96	96	96	94	96	98	98	98	96	96
59.	953620104060	Vishnupriya S	96	98	98	98	98	98	94	98	96	98	96	96	96	98	98	96	97
60.	953620104301	Balamurugan K	96	94	96	94	96	96	96	96	96	96	96	96	96	96	98	96	96
61.	953620104302	Ilaya Bharathi S	90	92	90	92	90	90	88	92	92	90	92	92	92	90	90	92	91
62.	953620104303	Raamakrishnan V R	94	94	94	96	94	94	94	94	94	96	96	90	92	92	94	94	94
63.	953620104304	Sathya Narayanan B	94	94	96	94	94	96	94	94	96	96	96	94	92	94	94	92	94
64.	953620104305	Shankar S K	92	94	96	94	94	94	96	96	96	96	96	88	88	90	92	96	94
65.	953620104306	Subramani Lokesh	94	94	96	94	94	94	96	96	96	96	98	96	94	96	94	94	95
66.	953620104701	S Harine Priya	94	96	94	96	94	94	96	90	90	92	92	92	90	92	92	92	93

16/11/22.
Signature of the Faculty member

16/11/22
HOD

RAMCO INSTITUTE OF TECHNOLOGY

Department of Electronics and Communication Engineering

Academic Year: 2022-2023 (Odd Semester)

Marks Statement for Virtual Experiment

Degree, Semester & Branch: V Semester B.E. CSE
Course Code & Title: EC8681 Microprocessor and Microcontroller Laboratory
Name of the Faculty member: Mr.B.Kannan

Max. Marks: 20

Sl. No.	Reg. No.	Name of the Student	Timely Completion (2)	Circuit Design (5)	Observation (4)	Output (3)	Presentation (3)	Viva (3)	Total (20)
1.	953620104001	Aananda Ganesan R	2	4	3	2	3	3	17
2.	953620104002	Abinaya M	2	4	4	3	3	3	19
3.	953620104003	Akhash Aravind P	2	4	4	3	3	3	19
4.	953620104004	Balamuralikrishna R N	2	3	4	3	3	3	18
5.	953620104005	Bhuvaneshwari S	2	4	4	3	3	3	19
6.	953620104006	Bowyaa L	2	4	4	3	3	3	19
7.	953620104007	Dharani RAJ V	2	4	3	3	3	3	18
8.	953620104008	Dhiraj N	2	4	4	3	3	2	18
9.	953620104009	Divya M K	2	5	4	3	3	2	19
10.	953620104010	Gayathri Devi S	2	5	4	3	3	2	19
11.	953620104011	Gnanaguru Vignesh J	2	5	3	3	3	3	19
12.	953620104012	Gopiy K J	2	4	3	3	3	2	17
13.	953620104013	Gowtham Karthikeyan M	2	4	3	3	3	2	17
14.	953620104014	Harinisrivalli V	2	5	4	3	3	3	20
15.	953620104015	Harsha R	2	5	4	3	3	3	20
16.	953620104016	Ijaas Ahamad M	2	4	3	3	3	2	17
17.	953620104017	Jegadesh B	2	4	3	3	3	2	17
18.	953620104018	Jelena Jophin J	2	4	4	3	3	2	18
19.	953620104019	Joe Alan R S	2	4	3	3	3	2	17
20.	953620104021	Jothi Lingapandian M	2	4	4	3	3	3	19

Sl. No.	Reg. No.	Name of the Student	Timely Completion (2)	Circuit Design (5)	Observation (4)	Output (3)	Presentation (3)	Viva (3)	Total (20)
21.	953620104022	Kamini K	2	4	4	3	3	3	19
22.	953620104023	Karthikeyan B	2	4	3	3	3	2	17
23.	953620104024	Karunya V	2	4	4	3	3	3	19
24.	953620104025	Keerthana V	2	4	4	3	3	3	19
25.	953620104026	K Syed Aslam	2	4	3	3	3	2	17
26.	953620104027	Kumar M	2	4	3	3	3	2	17
27.	953620104028	Lakshmi Priya G	2	4	4	3	3	3	19
28.	953620104029	Mugesh M	2	4	4	3	3	3	19
29.	953620104030	Muthu Brijesh R	2	4	4	3	3	3	19
30.	953620104031	Muthu Kumar K	2	4	4	3	3	3	19
31.	953620104032	Nishashree M	2	4	4	3	3	2	18
32.	953620104033	Paranthaman J	2	4	3	3	3	2	17
33.	953620104034	Pavithra K	2	4	4	3	3	2	18
34.	953620104035	Poojalakshmi T	2	4	4	3	3	3	19
35.	953620104036	P Preetha	2	4	4	3	3	3	19
36.	953620104037	Praveen S	2	4	3	3	3	3	18
37.	953620104038	Ragavi V G	2	5	4	3	3	3	20
38.	953620104039	Raja Dharshini .S	2	5	4	3	3	3	20
39.	953620104040	Rajalakshmi R U	2	5	4	3	3	3	20
40.	953620104041	Rajasekaran T	2	5	3	3	3	2	18
41.	953620104042	Saravana Jothi G	2	5	4	3	3	3	20
42.	953620104043	Sarumathi M	2	4	4	3	3	3	19
43.	953620104044	Sathish Kannan M	2	4	4	3	3	3	19
44.	953620104045	Sathishkumar K	2	4	3	3	3	3	18
45.	953620104046	Shakthee Saravana M	2	4	4	3	3	3	19
46.	953620104047	Shakthi S	2	5	4	3	3	3	20
47.	953620104048	Shri Dheiva R	2	5	4	3	3	3	20
48.	953620104049	Sivagurunathan G	2	4	3	3	3	3	18

Sl.

Sl. No.	Reg. No.	Name of the Student	Timely Completion (2)	Circuit Design (5)	Observation (4)	Output (3)	Presentation (3)	Viva (3)	Total (20)
49.	953620104050	Sivakumar M	2	5	4	3	3	2	19
50.	953620104051	Sivakumar P	2	4	4	3	3	3	19
51.	953620104052	Sowmiya V	2	4	4	3	3	3	19
52.	953620104053	Srinidhi R	2	4	4	3	3	3	19
53.	953620104054	S Shanmugapriya	2	4	4	3	3	2	18
54.	953620104055	Subhiksha G	2	4	4	3	3	3	19
55.	953620104056	Sukumaran G	2	4	3	3	3	2	17
56.	953620104057	Tharani M N	2	4	4	3	3	3	19
57.	953620104058	Venesha L	2	5	4	3	3	3	20
58.	953620104059	Vino A	2	5	4	3	3	3	20
59.	953620104060	Vishnupriya S	2	4	4	3	3	3	19
60.	953620104301	Balamurugan K	2	4	4	3	3	3	19
61.	953620104302	Ilaya Bharathi S	2	4	3	3	3	2	17
62.	953620104303	Raamakrishnan V R	2	4	3	3	3	3	18
63.	953620104304	Sathya Narayanan B	2	4	4	3	3	3	19
64.	953620104305	Shankar S K	2	4	3	3	3	3	18
65.	953620104306	Subramani Lokesh	2	4	4	3	3	3	19
66.	953620104701	S Harine Priya	2	4	3	3	3	3	18

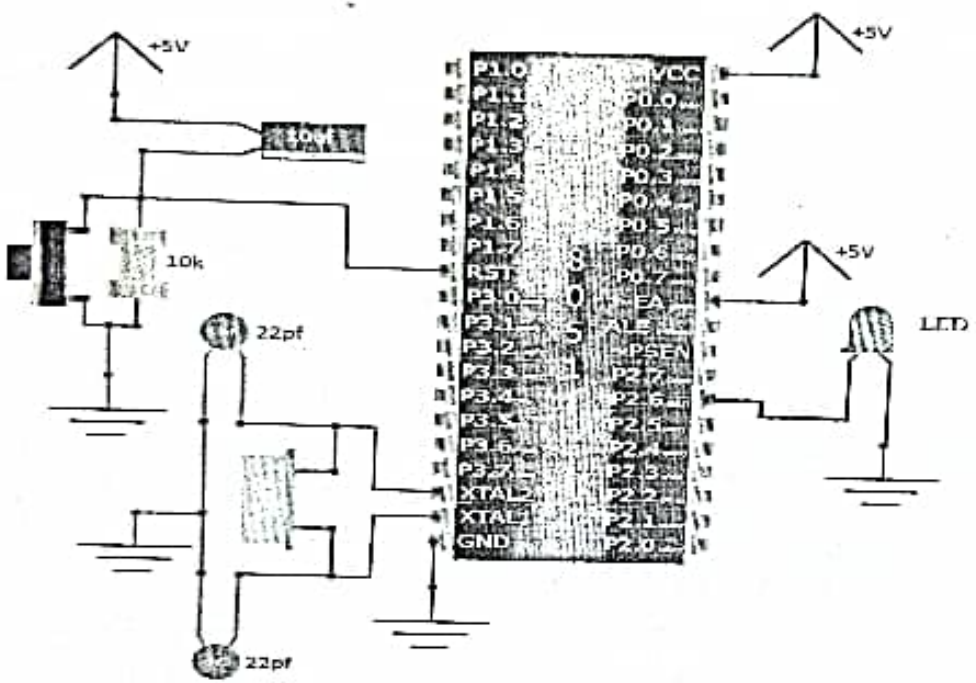
16/11/22

Signature of the Valuer with date:

16/11/22

HOD

Simulation Led interfaced with 8051



LED sample program :-

(Note:The leds are connected to 8051 pins in the simulator. Assuming their cathodes are at GND. Hence when pin is high, led glows)

```
SETB P1.0    //LED connected to P1.0 will glow
SETB P2.6    //LED connected to P2.6 will glow
CLR P2.6     //LED connected to P2.6 will not glow
CLR P1.0     //LED connected to P1.0 will not glow
```

Pin Diagram

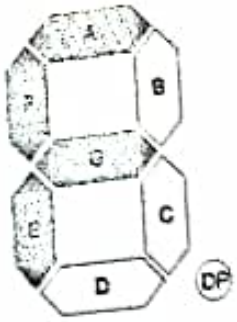


Memory

P2	0x
P3	0x
SP	0x
DPL	0x
DPH	0x
PCON	0x
TCON	0x
TMOD	0x
TL0	0x
TL1	0x
TH0	0x
TH1	0x
SCON	0x
SBUF	0x
IE	0x
IP	0x

0x05
0x06
0x07
0x08
0x09
0x0a
0x0b
0x0c
0x0d
0x0e
0x0f
0x10
0x11
0x12
0x13
0x14

Peripherals



Port 0

Editor

Current line

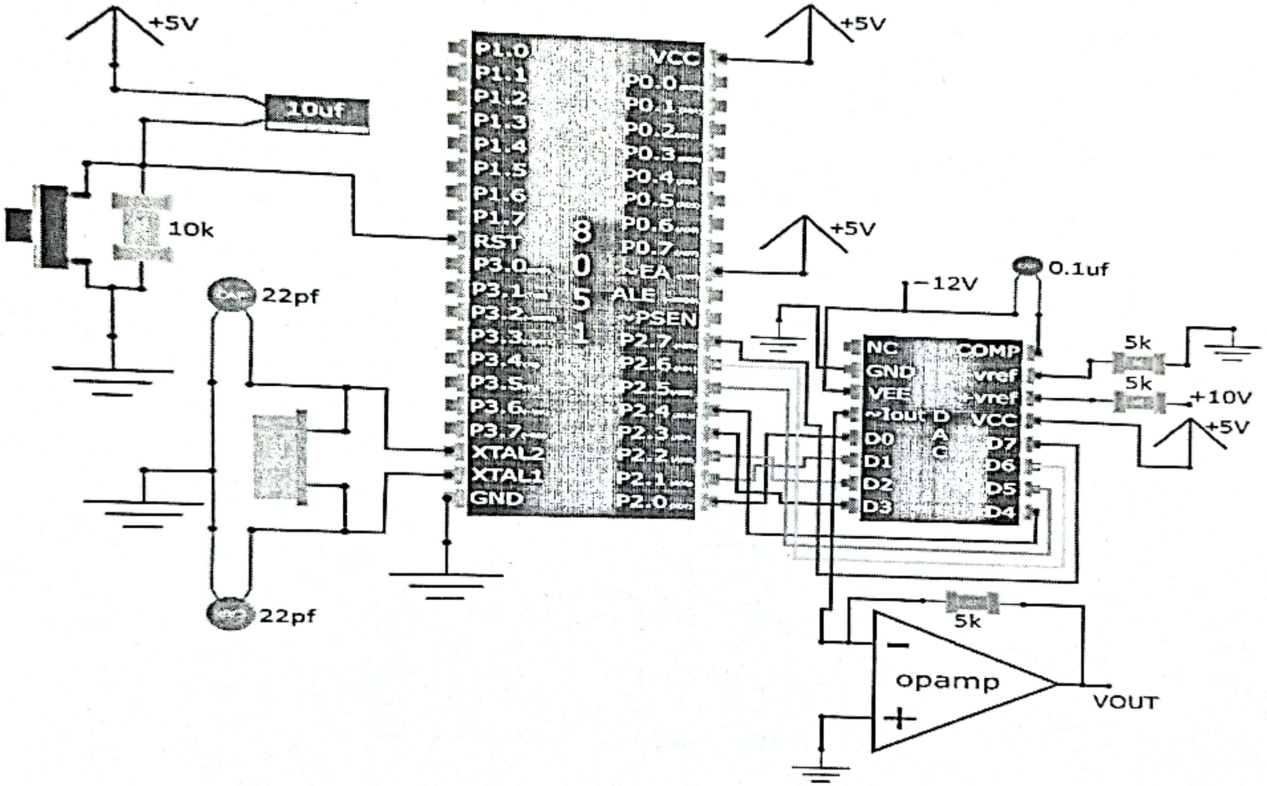
Next line (PC)

Error line

```
1  MOV P0,#7Eh     //to
2  MOV P0,#30h     //to
3  MOV P0,#6Dh     //to
4  MOV P0,#79h     //to
5  MOV P0,#33h     //to
6  MOV P0,#5Bh     //to
7  MOV P0,#5Fh     //to
8  MOV P0,#70h     //to
9  MOV P0,#7Fh     //to
10 MOV P0,#7Bh     //to
11 MOV P0,#77h     //to
12 MOV P0,#4Eh     //to
13 MOV P0,#4Fh     //to
14 MOV P0,#47h     //to
15
```

Run or Debug or Re

Simulation DAC interfaced with 8051



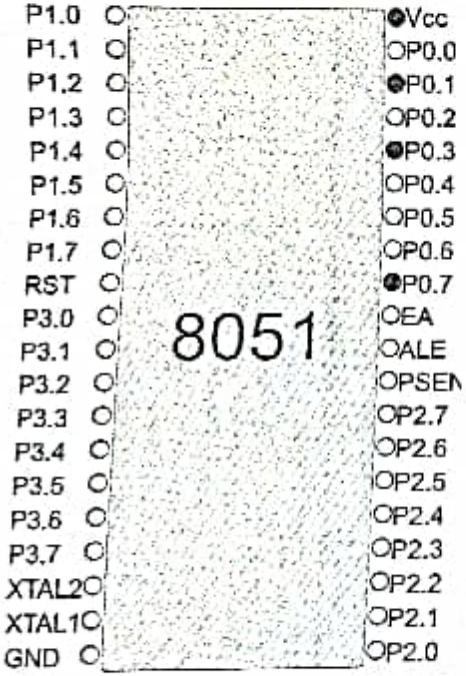
DAC sample program :-

(Use Debug option to see the changes in the position of the knob)

```
MOV P0,#0FFh
MOV P0,#10h
MOV P0,#20h
MOV P0,#0EFh
MOV P0,#0AFh
MOV P0,#08h
MOV P0,#0BDh
MOV P0,#0FFh
```

here notice that 0 is prefixed for A-F hex digits,i.e. 0EFh,0BDh

Pin Diagram



Memory

P2	0x00
P3	0x00
SP	0x07
DPL	0x00
DPH	0x00
PCON	0x00
TCON	0x00
TMOD	0x00
TL0	0x00
TL1	0x00
TH0	0x00
TH1	0x00
SCON	0x00
SBUF	0x00
IE	0x00
IP	0x00

Location	Value
0x00	0x00
0x01	0x00
0x02	0x00
0x03	0x00
0x04	0x00
0x05	0x00
0x06	0x00
0x07	0x00
0x08	0x00
0x09	0x00
0x0a	0x00
0x0b	0x00
0x0c	0x00
0x0d	0x00
0x0e	0x00

Peripherals

5

6.83525

2

Port 0

Editor

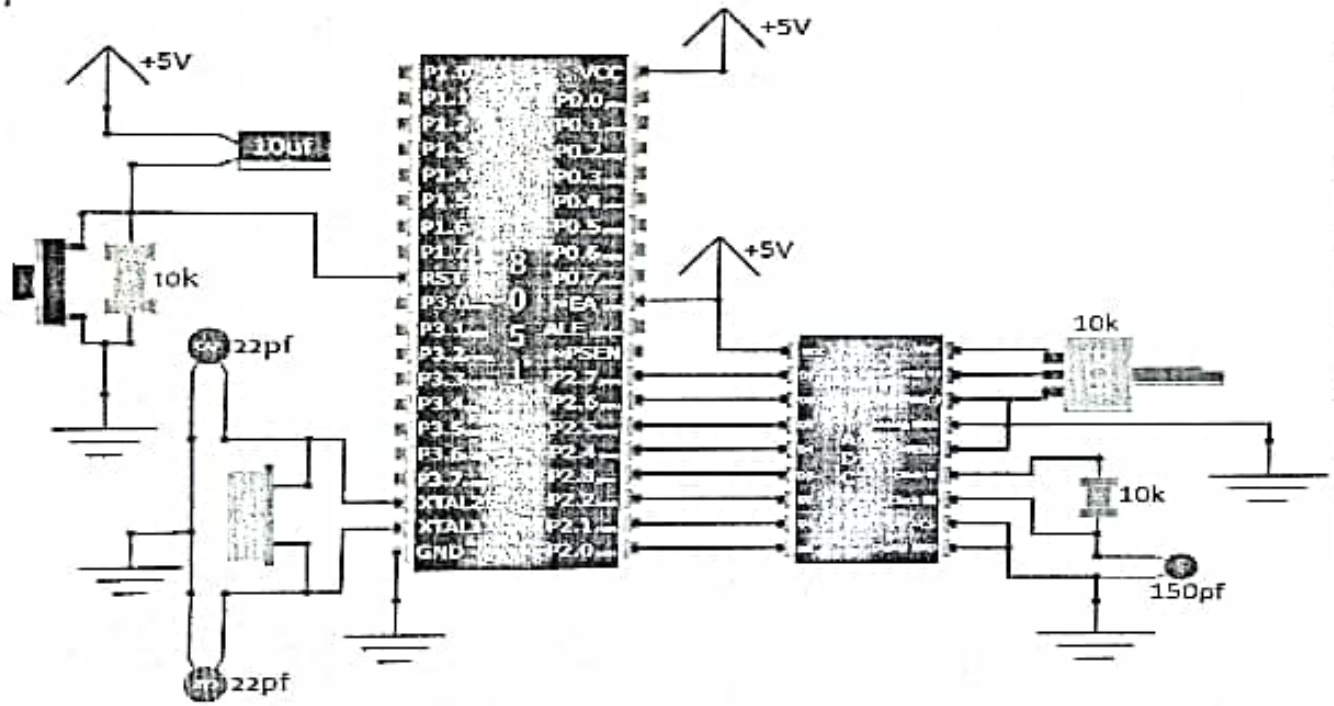
Current line Next line (PC)

Error line

```
1  MOV P0,#0FFh
2  MOV P0,#10h
3  MOV P0,#20h
4  MOV P0,#0EFh
5  MOV P0,#0AFh
6  MOV P0,#00h
7  MOV P0,#80h
8  MOV P0,#0FFh
```

Run or Debug or Reset

Simulation ADC interfaced with 8051



As ADC is an input device to microcontroller, so we have to just move the knob of potentiometer or apply similar kind of analog sensor output to ADC which in turn gives digital input for the microcontroller.

Hence in this operation you just have to notice the analog to digital conversion and try to figure out what applications you can make from this kind of set-up.

RAMCO INSTITUTE OF TECHNOLOGY

Approved by AICTE, New Delhi & Affiliated to Anna University
Accredited by NAAC & An ISO 9001:2015 Certified Institution
NBA Accredited UG Programs: CSE, EEE, ECE and MECH

Department of Electronics and Communication Engineering
Academic Year: 2022-2023 (Odd Semester)

COURSE PLAN - LABORATORY

Degree, Semester & Branch: V Semester B.E. CSE
Regulation: Anna University R-2017
Course Code & Title: EC8681 Microprocessors and Microcontrollers Laboratory
Name of the Faculty Member with Designation & Department: Mr.B.Kannan, AP(SG)
Contact Details:

- **Phone:** 9962367770
- **E-mail:** kannabalasubramani@ritrjpm.ac.in
- **LMS Link:** https://canvas.instructure.com/courses/5184931

DEPARTMENT VISION, MISSION, PEO & PSO

VISION

Excellence in Computer Science and Engineering by offering quality technical education catering to research and development.

MISSION

- Equip the department with modern infrastructure for high quality education and carrying out research in emerging technologies in Computer Science and Engineering.
- Expose the students, faculty and staff to a globally competitive learning experience.
- Motivate students to realize the responsibility of being professionally competent computer technocrats to serve the society by inculcating Ethical and Environmental aspects.

PEO

- Graduates will have successful career in IT and related industries or pursue higher education and research or evolve as entrepreneurs.
- Graduates will have the ability and attitude to adapt to emerging technological changes.
- Graduates will excel as socially committed engineers with high ethical values, leadership qualities and empathy for the needs of society.

PSO

After successful completion of the degree, the students will be able to:

- Excel in software development including mobile technologies to solve complex computation task with soft skills.
- Apply appreciable knowledge of IoT, Cloud Computing and Cyber Security to develop reliable IT solutions.
- Exhibit proficiency in Artificial Intelligence and Big Data Analytics for providing solutions to real world problems in Industry and Research establishments.

Pre-requisites for the course:

- EC8392 Digital Electronics: Students should have basic knowledge about digital number systems, sequential and combinational circuits.

A. Course Objectives and Outcomes

Course Objectives:

1. To make the student to verify basic arithmetic operation, logical operations and data movement using 8086 ALP.
2. To enable the students to implement code conversion, decimal arithmetic and matrix operations.
3. To make the student to implement floating point operations, string manipulations, sorting and searching.
4. To illustrate the student to implement 8086/8051 based system using peripherals and interfaces.
5. To familiarize the student to implement arithmetic, logical operations, square and cube program using 8051 microcontroller and MASM software.

Course Outcomes:

After completion of the course, it is expected that: The students will be able to

CO	CO Statement	Exp. No.	Performance Indicator	Level
CO1	Write ALP program for arithmetic operations, logical operations, and data movement using 8086 microprocessor instructions.	1 & 2	1.6.1, 2.5.2, 3.6.1, 9.3.1, 10.3.1, 11.3.1, 12.2.2	L2 (Cog)
CO2	Implement an ALP program for code conversion, decimal arithmetic, and matrix operations using 8086 instructions and MASM software tools.	3, 5 & 6	1.4.1, 2.1.3, 3.2.2, 5.1.2, 6.2.1, 9.3.1, 10.3.1, 12.2.2	L2 (Cog)
CO3	Generate results for floating-point operations, string manipulations, sorting, and searching using 8086 microprocessor instructions.	4	1.6.1, 2.5.2, 3.6.1, 9.3.1, 10.3.1, 12.2.2	L3 (Cog)
CO4	Construct 8086-based systems using peripherals and interfaces.	7 to 13	1.6.1, 2.5.2, 3.6.1, 9.3.1, 10.3.1, 12.2.2	L3 (Cog)
CO5	Calculate outputs for arithmetic operations, logical operations, square of a number and the cube of a number using an 8051 microcontroller.	14 to 16	1.6.1, 2.5.2, 3.6.1, 9.3.1, 10.3.1, 11.3.1, 12.2.2	L3 (Cog)
CO6	Create/Simulate real time system using 8051 microcontroller/Virtual Laboratory/Online Simulators.	-	1.4.1, 2.1.3, 3.2.2, 5.1.2, 6.2.1, 9.3.1, 10.3.1, 11.3.1, 12.2.2	L3 (Psy)

* Cog - Cognitive domain; Psy - Psychomotor domain

Course Target:

Target: 2.7

Procedure for fixing Target:

S. No.	Academic Year	Course code	No. of Students Attended (m)	No. of Students Passed	Pass Percentage	Average Grade Point (n)	Cumulative Grade Point (m X n)
1.	2019-2020	EC8681	49	49	100	9.10	445.9
2.	2020-2021	EC8681	57	57	100	9.04	515.3
	Total Students		**106**		**Total Grade Points**		**961.2**
					b=Average Grade Point in scale 3		**(961.2/106)*3/10=2.7**
					a=Target Attainment for Previous Academic Year		**2**
					Target Attainment for AY 2021-2022, Since b>a		**2.7**

• Target Attainment for AY 2021-2022 is 2.7

CO-PO Matrices:

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C309.1	3	1	2	-	-	-	-	-	3	3	1	1
C309.2	3	1	2	-	1	1	-	-	3	3	-	1
C309.3	3	1	2	-	-	-	-	-	3	3	-	1
C309.4	3	1	2	-	-	-	-	-	3	3	-	1
C309.5	3	1	2	-	-	-	-	-	3	3	1	1
C309.6	3	1	2	-	1	1	-	-	3	3	1	1
C309	**3**	**1**	**2**	**-**	**1**	**1**	**-**	**-**	**3**	**3**	**1**	**1**

CO-PSO Matrices:

CO	PSO1	PSO2	PSO3
C309.1	1	2	-
C309.2	1	2	-
C309.3	-	2	-
C309.4	1	2	-
C309.5	-	2	-
C309.6	-	2	-
C309	**1**	**2**	**-**

Course Outcome	Justification for Relevance of COs with POs & PSOs
CO1	• **PO1:** The course outcome is mapped with high correlation since the student should have some basic knowledge functional units of 8086 architectures. • **PO2:** Students should analyze the suitable instruction set of microprocessor to write the program. Hence, it is mapped with level 1. • **PO3:** Students need to develop microprocessor-based system. Hence, it is mapped with level of 2. • **PO9:** Here, the outcome is mapped with level 3, since the students should present their findings as a group, with contributions from all individual efforts seamlessly integrated. • **PO10:** Students can write effective report for 8086 based programs as team. Hence, it is mapped with high correlation. • **PO11:** Students should demonstrate the knowledge and understanding of programs, which will be used to do projects. Hence, it is mapped with level 1. • **PO12:** Here, the outcome is mapped with level 1, since the students should identify historical moments in engineering when advancements in technology necessitated continuing education for practitioners in order to stay current. • **PSO1:** The PSO1 is mapped to level 1 since learning 8086 assembly level programming may aid in creating a supporting program for an application. • **PSO2:** Students will use their fundamental understanding of the 8086 microprocessor to comprehend the processor's function in an IoT application. Hence, POS2 is mapped to level 2.
CO2	• **PO1:** The course outcome is mapped with high correlation since the student should have some basic knowledge functional units of 8086 architectures. • **PO2:** Students should analyze the suitable instruction set of microprocessor to write the program. Hence, it is mapped with level 1. • **PO3:** Students need to develop microprocessor-based system. Hence, it is mapped with level of 2.

	• **PO5:** Here, the outcome is mapped with level 1, Since the students implement programs using MASAM software tools • **PO6:** Students can develop system for societal needs using microprocessor. Hence, it is mapped with low correlation. • **PO9:** Here, the outcome is mapped with level 3, since the students should present their findings as a group, with contributions from all individual efforts seamlessly integrated. • **PO10:** Students can write effective report for 8086 based programs as team. Hence, it is mapped with high correlation. • **PO12:** Here, the outcome is mapped with level 1, since the students should identify historical moments in engineering when advancements in technology necessitated continuing education for practitioners in order to stay current. • **PSO1:** The PSO1 is mapped to level 1 because developing a supporting program for an application may benefit from knowledge of 8086 assembly level programming. • **PSO2:** Students will apply their basic knowledge of the 8086 microprocessor to understand how it works in an Internet of Things application. Hence, POS2 is mapped to level 2.
CO3	• **PO1:** The course outcome is mapped with high correlation since the student should have some basic knowledge functional units of 8086 architectures. • **PO2:** Students should analyze the suitable instruction set of microprocessor to write the program. Hence it is mapped with level 1. • **PO3:** Students need to develop microprocessor-based system. Hence, it is mapped with level of 2. • **PO9:** Here, the outcome is mapped with level 3, since the students should present their findings as a group, with contributions from all individual efforts seamlessly integrated. • **PO10:** Students can write effective report for 8086 based programs as team. Hence, it is mapped with high correlation. • **PO12:** Here, the outcome is mapped with level 1, since the students should identify historical moments in engineering when advancements in technology necessitated continuing education for practitioners in order to stay current. • **PSO2:** Students will use their fundamental understanding of the 8086 microprocessor ALP to comprehend the processor's function in an IoT application. Hence, POS2 is mapped to level 2.
CO4	• **PO1:** The course outcome is mapped with high correlation since the student should have some basic knowledge functional units of 8086/8051 architectures. • **PO2:** Students should analyze the suitable instruction set of microprocessor to write the program. Hence, it is mapped with level 1. • **PO3:** Students need to develop microprocessor-based system. Hence, it is mapped with level of 2. • **PO9:** Here, the outcome is mapped with level 3, since the students should present their findings as a group, with contributions from all individual efforts seamlessly integrated. • **PO10:** Students can write effective report for 8086/8051 based programs as team. Hence, it is mapped with high correlation. • **PO12:** Here, the outcome is mapped with level 1, since the students should identify historical moments in engineering when advancements in technology necessitated continuing education for practitioners in order to stay current.

	• **PSO1:** The PSO1 is mapped to level 1 since learning 8086 assembly level programming may aid in creating a supporting program for an application. • **PSO2:** The knowledge of peripherals helps to understand the IoT-based system. Hence, POS2 is mapped to level 2.
CO5	• **PO1:** The course outcome is mapped with high correlation since the student should have some basic knowledge functional units of 8051 architectures. • **PO2:** Students should analyze the suitable instruction set of microcontroller to write the program. Hence it is mapped with level 1. • **PO3:** Students need to develop microcontroller-based system. Hence, it is mapped with level of 2. • **PO9:** Here, the outcome is mapped with level 3, since the students should present their findings as a group, with contributions from all individual efforts seamlessly integrated. • **PO10:** Students can write effective report for 8051 based programs as team. Hence, it is mapped with high correlation. • **PO11:** Students should demonstrate the knowledge and understanding of programs, which will be used to do projects. Hence, it is mapped with level 1. • **PO12:** Here, the outcome is mapped with level 1, since the students should identify historical moments in engineering when advancements in technology necessitated continuing education for practitioners in order to stay current. • **PSO2:** The students will use their knowledge of the 8051 microcontroller architecture to illustrate the IoT applications. Hence, PSO2 is mapped at level 2.
CO6	• **PO1:** The course outcome is mapped with high correlation since the student should have some basic knowledge functional units of 8051 architectures. • **PO2:** Students should analyze the suitable instruction set of microcontroller to write the program. Hence, it is mapped with level 1. • **PO3:** Students need to develop microcontroller-based system. Hence, it is mapped with level of 2. • **PO5:** Here, the outcome is mapped with level 1, Since the students implement programs using Proteus software tools • **PO6:** Students can develop system for societal needs using microcontroller. Hence, it is mapped with low correlation. • **PO9:** Here, the outcome is mapped with level 3, since the students should present their findings as a group, with contributions from all individual efforts seamlessly integrated. • **PO10:** Students can write effective report for 8051 based programs as team. Hence, it is mapped with high correlation. • **PO11:** Students should demonstrate the knowledge and understanding of programs, which will be used to do projects. Hence, it is mapped with level 1. • **PO12:** Here, the outcome is mapped with level 1, since the students should identify historical moments in engineering when advancements in technology necessitated continuing education for practitioners in order to stay current. • **PSO2:** The students will use basic knowledge of the 8086 microprocessor, peripherals, and 8051 microcontroller to understand the role of each in the IOT application. Hence, POS2 is mapped to level 2.

B. Practical Plan:

Batch No.: I (Reg. No. 953620104001 to 953620104034)

Cycle 1

Sl. No.	Name of the Experiment	Batch I							
		Week 1 (12.8.22)	Week 2 (26.8.22)	Week 3 (04.9.22)	Week 4 (09.9.22)	Week 5 (23.9.22)	Week 6 (30.9.22)	Week 7 (07.10.22)	
1.	Introduction & Basic Arithmetic and Logical Operations	B-I							
2.	Move a Data Block Without Overlap & Code Conversion		B-I						
3.	Decimal Arithmetic and Matrix Operations			B-I					
4.	Floating point operations & Password Checking				B-I				
5.	String Manipulations & Print RAM size					B-I			
6.	Sorting & Searching and System Date						B-I		
7.	Counters & Time Delay							B-I	
8.	Traffic Light Control								B-I

Batch No: I (Reg. No. 953620104001 to 953620104034)

Cycle 2

Sl. No.	Name of the Experiment	Batch I							
		Week 8 (8.10.22)	Week 9 (14.10.22)	Week 10 (21.10.22)	Week 11 (22.10.22)	Week 12 (28.10.22)	Week 13 (4.11.22)	Week 14 (5.11.222)	
9.	Introduction to Simulation Tools & Stepper Motor Control	B-I							
10.	Digital Clock & Printer Status		B-I						
11.	Key Board and Display			B-I					
12.	Serial Interface and Parallel Interface				B-I				
13.	A/D and D/A Interface and Waveform Generation					B-I			
14.	Basic Arithmetic and Logical Operations using 8051.						B-I		
15.	• Square & Cube program • Find 2's Complement of a Number using 8051							B-I	
16.	Unpacked BCD to ASCII								B-I

Batch No.: II (Reg. No. 953620104035 to 953620104306)
Cycle 1

Sl. No.	Name of the Experiment	Batch II							
		Week 1 (16.8.22)	Week 2 (23.8.22)	Week 3 (30.8.22)	Week 4 (6.9.22)	Week 5 (10.9.22)	Week 6 (13.9.22)	Week 7 (20.9.22)	
1.	Introduction & Basic Arithmetic and Logical Operations	B-II							
2.	Move a Data Block Without Overlap & Code Conversion		B-II						
3.	Decimal Arithmetic and Matrix Operations			B-II					
4.	Floating point operations & Password Checking				B-II				
5.	String Manipulations & Print RAM size					B-II			
6.	Sorting & Searching and System Date						B-II		
7.	Counters & Time Delay							B-II	
8.	Traffic Light Control								B-II

Batch No: II (Reg. No. 953620104035 to 953620104306)
Cycle 2

Sl. No.	Name of the Experiment	Batch II							
		Week 8 (27.9.22)	Week 9 (3.10.22)	Week 10 (11.10.22)	Week 11 (18.10.22)	Week 12 (25.10.22)	Week 13 (29.10.22)	Week 14 (01.11.22)	
9.	Introduction to Simulation Tools & Stepper Motor Control	B-II							
10.	Digital Clock & Printer Status		B-II						
11.	Key Board and Display			B-II					
12.	Serial Interface and Parallel Interface				B-II				
13.	A/D and D/A Interface and Waveform Generation					B-II			
14.	Basic Arithmetic and Logical Operations using 8051.						B-II		
15.	• Square & Cube program • Find 2's Complement of a Number using 8051							B-II	
16.	Unpacked BCD to ASCII								B-II

C. Virtual Laboratory Plan

Sl. No.	Name of the Experiment	CO Mapping	Relevance to POs & PSOs
1.	Microcontroller interfaced with ADC and DAC	CO4	PO1, PO2, PO3,PO5

D. Mini Project Plan:

Sl. No.	Title of the Project	Number of students/ Batch	Nature of the project	CO Mapping	Relevance to POs & PSOs
1.	Create/Simulate real time system using 8051 microcontroller/Virtual Laboratory/Online Simulators.	03	Simulation	CO6	PO1, PO2, PO3, PO5, PO6, PO9, PO10, PO11, PO12

E. Innovative Practice Plan:

Sl. No.	Topic	CO Mapping	Relevance to POs & PSOs
Nil			

Details of References:

Textbooks:

1. Yu-Cheng Liu, Glenn A.Gibson, "Microcomputer Systems: The 8086/8088 Family-Architecture, Programming and Design", Second Edition, Prentice Hall of India, 2007.
2. Mohamed Ali Mazidi, Janice Gillispie Mazidi, Rolin McKinlay, "The 8051 Microcontroller and Embedded Systems: Using Assembly and C", Second Edition, Pearson Education, 2011.

Other References:

Books/Website/Journal/e-books/Videos/NPTEL/Matlab Online/Online Course etc.

1. Doughlas V.Hall, "Microprocessors and Interfacing, Programming and Hardware:, TMH, 2012.
2. Dr. D.A.Godse, A.P.Godse, "Microprocessors & Microcontrollers", technical publication, 2015.
3. A.Nagoor Kani, "Microprocessors & Microcontrollers", McGrawHill, Second Edition, 2014.
4. Dr. Krishna Kant "Microprocessors and Microcontrollers: Architecture, Programming and System design 8085, 8086, 8051, 8096", PHI June, 2011.
5. Kenneth J. Ayala, "The 8051 Microcontroller", Thomson, Third Edition, 2004.

Master Record Prepared and Submitted: No

Laboratory Manual Link: https://canvas.instructure.com/courses/5184931

10/08/2022
Signature of the Faculty Member(s)

10/08/2022
Domain Coordinator

10/8/22
HOD

Vice-Principal

29/8/22
Principal

Department of Electronics and Communication Engineering
Academic Year: 2022 - 2023 (Odd Semester)

COURSE ASSESSMENT – LABORATORY

Degree, Semester & Branch: V Semester B.E. CSE
Regulation: Anna University R-2017
Course Code & Title: EC8681 Microprocessors and Microcontrollers Laboratory
Name of the Faculty Member with Designation & Department: Mr.B.Kannan, AP(SG)
Contact Details:

- **Phone:** 9962367770
- **E-mail:** kannabalasubramani@ritrjpm.ac.in
- **LMS Link:** https://canvas.instructure.com/courses/5184931

1. Assessment Methods:

Course Outcome	Direct methods
CO1	1. Direct assessment – Continuous Assessment, Model Practical & Presentation 2. Indirect assessment – Course End Survey
CO2	1. Direct assessment – Continuous Assessment, Model Practical & Presentation 2. Indirect assessment – Course End Survey
CO3	1. Direct assessment – Continuous Assessment, Model Practical & Presentation 2. Indirect assessment – Course End Survey
CO4	1. Direct assessment – Continuous Assessment, Model Practical & Presentation 2. Indirect assessment – Course End Survey
CO5	1. Direct assessment – Continuous Assessment, Model Practical & Presentation 2. Indirect assessment – Course End Survey
CO6	1. Direct assessment – Mini Project 2. Indirect assessment – Course End Survey

2. Course Assessment Plan (CAP)

Continuous Internal Assessment Methods (CIAM)	Weightage							
	CO1	CO2	CO3	CO4	CO5	CO6	CIAM	End Semester
Continuous Assessment	60%	60%	60%	60%	60%	-	40%	60%
Model Practical	20%	20%	20%	20%	20%	-		
Presentation	10%	10%	10%	10%	10%	-		
Mini Project	-	-	-	-	-	90%		
CO End Survey	10%	10%	10%	10%	10%	10%		
Total	100%	100%	100%	100%	100%	100%	100%	

3. Evaluation Methods

Sl. No.	Assessment Methods	Marks	Evaluation Methods
1.	Continuous Assessment	50	Performance, Viva voce & Record note
2.	Model Practical	100	Performance & Viva voce
3.	Presentation	10	Content of Presentation, Applications, and Communication Skill
4.	Mini Project	50	Rubrics

Rubrics for Mini Projects:

Assessment Criteria	Evaluation Rating				Maximum Marks
	Excellent	Good	Satisfactory	Need Improvement	
Timely Submission	Submitting on or before time (3 Marks)	Submitting after 1 day from the deadline (2 Marks)	Submitting within 3 days from the deadline (1 Marks)	Submitting after 1 week from the deadline (0 Mark)	3
Innovative	Novel and Unique (5 Marks)	75% to 90% Novel (4 Mark)	50% to 75% Novel (3 Marks)	Less than 50% Novel (2 Marks)	5
Output	Fully correct output (12 Marks)	75% to 90% Partially correct output (10 Mark)	50% to 75% Partially correct output (7 Mark)	Less than 50% Partially correct output (4 Mark)	12
Report	Report with Maximum Details (10 Marks)	Report with 75% to 90% materiality (8 Marks)	Report with 50% to 75% materiality (5Marks)	Report with Less than 50% materiality (3 Marks)	10
Plagiarism	Report with 80% to 100% uniqueness (5 Marks)	Report with 70% to 80% uniqueness (4 Marks)	Report with 50% to 75% uniqueness (3Marks)	Report with Less than 50% uniqueness (1 Marks)	5
Team Work	All members involved and expressed the project clearly (5 Marks)	All members involved and expressed the project partially (4 Marks)	Two members involved and expressed the project partially (2 Marks)	One member involved and expressed the project partially (1 Marks)	5
Presentation	Impressive presentation with maximum details (5 Marks)	Presentation with insufficient details (4 Marks)	Presentation with less details (2 Marks)	Presentation with few details (1 Mark)	5
Viva Voce	The grade ranges from 0 to 5 depending on the answer.				5

10/08/2022
Signature of Faculty Member(s)

10/08/2022
Domain Coordinator

10/8/22
HOD

Vice-Principal

Principal

EC8681 MICROPROCESSOR AND MICROCONTROLLER LABORATORY

L	T	P	C
0	0	4	2

OBJECTIVES:

The student should be made to:

- To Introduce ALP concepts, features and Coding methodsWrite ALP for arithmetic and logical operations in 8086 and 8051
- Write ALP for arithmetic and logical operations in 8086 and 8051Interface different I/Os with Microprocessors
- Differentiate Serial and Parallel Interface
- Interface different I/Os with Microprocessors
- Be familiar with MASM

LIST OF EXPERIMENTS:

8086 Programs using kits and MASM

1. Basic arithmetic and Logical operations
2. Move a data block without overlap
3. Code conversion, decimal arithmetic and Matrix operations.
4. Floating point operations, string manipulations, sorting and searching
5. Password checking, Print RAM size and system date
6. Counters and Time Delay

Peripherals and Interfacing Experiments

7. Traffic light control
8. Stepper motor control
9. Digital clock
10. Key board and Display
11. Printer status
12. Serial interface and Parallel interface
13. A/D and D/A interface and Waveform Generation

8051 Experiments using kits and MASM

14. Basic arithmetic and logical operations
15. Square and cube program, Find 2"s complement of a number
16. Unpacked BCD to ASCII

TOTAL: 60 PERIODS

OUTCOMES:

At the end of the course, the student should be able to:

- Write ALP Programmes for fixed and Floating Point and Arithmetic operations
- Interface different I/Os with processor
- Generate waveforms using Microprocessors
- Execute Programs in 8051
- Explain the difference between simulator and Emulator

RAMCO INSTITUTE OF TECHNOLOGY

Department of Electronics and Communication Engineering
Academic Year: 2022-2023 (Odd Semester)

INDIVIDUAL FACULTY TIME TABLE

(with effect from: 22.08.2022)

Name of Faculty Member: Mr.B.Kannan

Period/ Day	I	II	Tea Break	III	IV	Lunch Break	V	VI	VII
Monday							EC8691 C2R05		
Tuesday				EC8691 C2R05	EC8681 MPMC Lab		EC8681 MPMC Lab		
Wednesday									EC3354 C3R01
Thursday		EC8691 C2R05 (Alternate Weeks)			EC8711 Embedded Lab		EC8711 Embedded Lab		
Friday		EC8691 C2R05			EC8681 MPMC Lab		EC8681 MPMC Lab		

Course Code & Title	No. of Periods
1. EC8691 Microprocessors and Microcontrollers	3.5
2. EC8681 Microprocessors and Microcontrollers Laboratory	08
3. EC8711 Embedded Laboratory	04
4. EC3354 Signals and Systems-Tutorial	01

22/08/2022
Signature of Faculty Member

22/8/22
HOD

RAMCO INSTITUTE OF TECHNOLOGY

Department of Electronics and Communication Engineering
Academic Year: 2022-2023 (Odd Semester)

INDIVIDUAL FACULTY TIME TABLE

(with effect from: 10.08.2022)

Name of Faculty Member: Mr.B.Kannan

Period/ Day	I	II	Tea Break	III	IV	Lunch Break	V	VI	VII
Monday							EC8691 C2R05		
Tuesday				EC8691 C2R05	EC8681 MPMC Lab		EC8681 MPMC Lab		
Wednesday									
Thursday		EC8691 C2R05 (Alternate Weeks)			EC8711 Embedded Lab		EC8711 Embedded Lab		
Friday		EC8691 C2R05			EC8681 MPMC Lab		EC8681 MPMC Lab		

Course Code & Title	No. of Periods
1. EC8691 Microprocessors and Microcontrollers	3.5
2. EC8681 Microprocessors and Microcontrollers Laboratory	08
3. EC8711 Embedded Laboratory	04

10/08/2022
Signature of Faculty Member

10/8/22
HOD

RAMCO INSTITUTE OF TECHNOLOGY

Department of Computer Science and Engineering

Academic Year: 2022-2023(Odd Semester)

CLASS TIME TABLE

(with effect from:22.08.2022)

Semester/Class: V Semester B.E. CSE — **CLASS ROOM – C2R05**

Period & Time / Day	I	II	10.40-11.00	III	IV	12.40-01.20	V	VI	VII
	09.00-09.50	09.50-10.40		11.00-11.50	11.50-12.40		01.20-02.10	02.10-03.00	03.00-03.50
Monday	MA8551 LSK&KSM	CS8501 SM	Tea Break	CS8592 GSP	CS8591 MGN	Lunch Break	EC8691 BK	CS8592 GSP	OCE551/ OMF551/ ORO551 GK/SMP/ ARB
Tuesday	OCE551/ OMF551/ ORO551 GK/SMP/ARB			EC8691 BK	CS8581/ EC8681 MGN&SS/ BK&AAJ		CS8581/EC8681 MGN&SS/BK &AAJ		
Wednesday	CS8592 GSP	MA8551 LSK&K SM		CS8591 MGN	CS8581/ CS8582 MGN&SS/ GSP&SM		CS8581/CS8582 MGN&SS/GSP&SM		
Thursday	CS8591 MGN	CS8592/ EC8691 GSP/BK		CS8501 SM	MA8551 LSK&KSM		CS8591/ OCE551/ OMF551/ ORO551 MGN/ GK/SMP/ ARB	MA8551 LSK& KSM (T)	CS8501 SM
Friday	CS8501 SM	EC8691 BK		MA8551 LSK&KSM	CS8582 /EC8681 GSP&SM/ BK&LKK		CS8582/EC8681 GSP&SM/ BK &LKK		
Saturday	As per Academic Schedule								

T- Tutorial

	Course Code & Title	Name of the Faculty member	No. of Periods
1. MA8551	Algebra and Number Theory	Dr.L.Sathikala (LSK) & Mr.K.Subramanian(KSM)	5
2. CS8591	Computer Networks	Dr.M.Gomathy Nayagam(MGN)	3.5
3. EC8691	Microprocessors and Microcontrollers	Mr.B.Kannan(BK)	3.5
4. CS8501	Theory of Computation	Mrs.S.Manjula (SM)	4
5. CS8592	Object Oriented Analysis and Design	Ms.G.Sakthi Priya (GSP)	3.5
6. OCE551/ OMF551/ ORO551	Air Pollution and Control Engineering/ Product Design and Development/ Sensors and Transducers	Dr. G. Kanthimathi(GK)/ Mr.M.Santhana Maruthu Pandian (SMP)/ Mr.A.Ramesh Babu(ARB)	3.5
7. EC8681	Microprocessors and Microcontrollers Laboratory	Mr.B.Kannan (BK) & Dr.A.Azhagu Jaisudhan Pazhani(AAJ) Ms.L.Krishna Kumari (LKK)	4
8. CS8582	Object Oriented Analysis and Design Laboratory	Ms.G.Sakthi Priya (GSP) & Mrs.S.Manjula (SM)	4
9. CS8581	Networks Laboratory	Dr.M.Gomathy Nayagam(MGN) & Mrs.S.Sankari (SS)	4

Class Adviser | HOD | Timetable Coordinator | Principal

RAMCO INSTITUTE OF TECHNOLOGY

Department of Computer Science and Engineering

Academic Year: 2022-2023(Odd Semester)

CLASS TIME TABLE

(with effect from:10.08.2022)

Semester/Class: V Semester B.E. CSE — **CLASS ROOM – C2R05**

Period & Time / Day	I 09.00-09.50	II 09.50-10.40	10.40-11.00	III 11.00-11.50	IV 11.50-12.40	12.40-01.20	V 01.20-02.10	VI 02.10-03.00	VII 03.00-03.50
Monday	MA8551 LSK&KSM	CS8501 SM	Tea Break	CS8592 GSP	CS8591 MGN	Lunch Break	EC8691 BK	CS8592 GSP	OCE551/ OMF551/ ORO551 GK/SMP/ ARB
Tuesday	OCE551/ OMF551/ ORO551 GK/SMP/ARB			EC8691 BK	CS8581/ EC8681 MGN&SS/ BK&AAJ		CS8581/EC8681 MGN&SS/BK &AAJ		
Wednesday	CS8592 GSP	MA8551 LSK&K SM		CS8591 MGN	CS8581/ CS8582 MGN&SS/ GSP&SM		CS8581/CS8582 MGN&SS/GSP&SM		
Thursday	CS8591 MGN	CS8592/ EC8691 GSP/BK		CS8501 SM	MA8551 LSK&KSM		CS8591/ OCE551/ OMF551/ ORO551 MGN/ GK/SMP/ ARB	MA8551 LSK& KSM	CS8501 SM
Friday	CS8501 SM	EC8691 BK		MA8551 LSK&KSM	CS8582 /EC8681 GSP&SM/ BK&AAJ		CS8582/EC8681 GSP&SM/ BK &AAJ		
Saturday	As per Academic Schedule								

Course Code & Title		Name of the Faculty member	No. of Periods
1. MA8551	Algebra and Number Theory	Dr.L.Sathikala (LSK) & Mr.K.Subramanian(KSM)	5
2. CS8591	Computer Networks	Dr.M.Gomathy Nayagam(MGN)	3.5
3. EC8691	Microprocessors and Microcontrollers	Mr.B.Kannan(BK)	3.5
4. CS8501	Tfieory of Computation	Mrs.S.Manjula (SM)	4
5. CS8592	Object Oriented Analysis and Design	Ms.G.Sakthi Priya (GSP)	3.5
6. OCE551/ OMF551/ ORO551	Air Pollution and Control Engineering/ Product Design and Development/ Sensors and Transducers	Dr. G. Kanthimathi(GK)/ Mr.M.Santhana Maruthu Pandian (SMP)/ Mr.A.Ramesh Babu(ARB)	3.5
7. EC8681	Microprocessors and Microcontrollers Laboratory	Mr.B.Kannan (BK) & Dr.A.Azhagu Jaisudhan Pazhani(AAJ)	4
8. CS8582	Object Oriented Analysis and Design Laboratory	Ms.G.Sakthi Priya (GSP) & Mrs.S.Manjula (SM)	4
9. CS8581	Networks Laboratory	Dr.M.Gomathy Nayagam(MGN) & Mrs.S.Sankari (SS)	4

Class Adviser 8/8/2022 — HOD 8/8/2022 — Timetable Coordinator — Principal 13.8.22

Form No. AC 03b — Rev.No.00 — Effective Date: 18.01.2016



RAMCO INSTITUTE OF TECHNOLOGY
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NBA Accredited UG Programs: CSE, EEE, ECE and MECH

Department of Computer Science and Engineering

Academic Year : 2022 – 2023 (Odd Semester)

V Semester B.E computer Science and Engineering

10/08/2022

SI.NO	Register Number	Name of the student
1	953620104001	AANANDA GANESAN R
2	953620104002	ABINAYA M
3	953620104003	AKHASH ARAVIND P
4	953620104004	BALAMURALIKRISHNA R N
5	953620104005	BHUVANESHWARI S
6	953620104006	BOWYAA L
7	953620104007	DHARANI RAJ V
8	953620104008	DHIRAJ N
9	953620104009	DIVYA M K
10	953620104010	GAYATHRI DEVI S
11	953620104011	GNANAGURU VIGNESH J
12	953620104012	GOPIY K J
13	953620104013	GOWTHAM KARTHIKEYAN M
14	953620104014	HARINISRIVALLI V
15	953620104015	HARSHA R
16	953620104016	IJAAS AHAMAD M
17	953620104017	JEGADESH B
18	953620104018	JELENA JOPHIN J
19	953620104019	JOE ALAN R S
20	953620104021	JOTHI LINGAPANDIAN M
21	953620104022	KAMINI K
22	953620104023	KARTHIKEYAN B
23	953620104024	KARUNYA V
24	953620104025	KEERTHANA V
25	953620104026	K SYED ASLAM
26	953620104027	KUMAR M
27	953620104028	LAKSHMI PRIYA G
28	953620104029	MUGESH M
29	953620104030	MUTHU BRIJESH R
30	953620104031	MUTHU KUMAR K
31	953620104032	NISHASHREE M
32	953620104033	PARANTHAMAN J
33	953620104034	PAVITHRA K
34	953620104035	POOJALAKSHMI T

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Rajapalayam - 626 117.

THEORY RECORD

ACADEMIC YEAR : 2022 - 2023

Name of the Faculty Member : E. Thangam

Department : EEE

Course Name : Smart Grid

Course Code : EE8019

Semester : VIII

Date of Commencement : 01/02/2023

Date of Completion :

Unit	I	II	III	IV	V
No.of Hours Planned	10	10	10	10	10
No.of Hours Conducted	11	11	11	11	11
Unit Completed on (Date)	20/2/23	6/3/23	21/3/23	4/4/23	25/4/23
Signature of the Faculty Member	20/2/23	6/3/23	21/3/23	4/4/23	25/4/23
Head of the Department	20/02/23	06/02/23	21/03/23	10/04/23	02/05/23
Principal					

CO Statements

COs	Statement	Level
1	Evaluate the functions of the Grid system Components for Converting to a Smart Grid.	III
2	Evaluate the electrical parameters of the grid for its efficient functioning	III
3	Evaluate the performance of the various types of smart meters for their effective functioning	III
4	Suggest the solutions to various power quality issues arising due to renewable energy power inputs to the grid	III
5	Evaluate the performana of the Communication network in Smart Grid Systems	III

CO-PO-PSO Mapping

COs / PO No.	Programme Outcome												PSO			
	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4
C412.1	3	1			1							1	1			
C412.2	3	1			1			1				1	1			
C412.3	3	1			1							1	1			
C412.4	3	1			1			1				1	1			
C412.5	3	1			1			1				1	1			

Course Outcome Target (Based on previous academic year)

Academic Year	Students Appeared	Students Passed	Pass %	Grade						GPA (10)	AGPA (3)
				O	A+	A	B+	B	U		
2020 - 2021	55	55	100%	-	6	33	15	1	-	7.8	2.34
2021 - 2022	23	23	100%	-	1	6	10	6	-	7.09	2.12

Target Procedure :

The Detailed Procedure is attached in the Course file

Student Quality - 70%.

Faculty Experience - 20%.

No. of times subject handled - 10%.

CO Target : 2.31

Month FEB

COURSE EE8019 SMART GRID

S. No.	Roll / Reg. No.	Name / Date	6	6	7	7	7	13	13	14	14	14	20	20	21
		Period	3	6	1	2	5	3	6	1	2	5	3	6	1
		Cumulative Periods	1	2	3	4	5	6	7	T1	8	10	11	12	13
1.	953619105002	ANANTHARAJ V	/	/	A	A	A	/	/	OD	OD	OD	A	A	/
2.	04	ARJUNA RAJA V	OD	OD	OD	OD	OD	/	/	/	/	/	/	/	/
3.	05	ARUNKUMAR A	OD	OD	OD	OD	OD	/	/	/	/	/	/	/	/
4.	07	GURUMOORTHY S	OD	OD	OD	OD	OD	/	/	/	/	/	/	/	A
5.	11	KANNAN A	OD	OD	OD	OD	OD	/	/	/	/	/	A	A	/
6.	15	MAHEEN SHEIK MOHIDEEN	OD	OD	OD	OD	OD	/	/	/	/	/	/	/	/
7.	19	RISHI RAGHUL E	/	/	/	/	/	/	/	/	/	/	A	A	/
8.	20	SEENU RA	OD	OD	OD	OD	OD	OD	OD	OD	OD	OD	OD	OD	OD
9.	21	SHARMA KUMAR S	/	/	/	/	/	/	/	/	/	/	A	A	/
10.	22	SUNIL RAM D M	/	/	/	/	/	/	/	/	/	/	/	/	/
11.	302	KABILAN K	/	/	/	/	/	/	/	/	/	/	/	/	/
12.	303	KALIRAJ R	/	/	/	/	/	/	/	/	/	/	/	/	/
		No. of absentess	2	2	2	2	2	2	2	2	2	2	4	4	4
		Initial of the Faculty Member	RK	RK	RK	RK	RK	RK	RK	RK	RK	RK	RK	RK	RK

Month FEB/MAR

CLASS VIII Semester B.E. EEE

21	21	27	27	28	28	28	6	6	7	7	7	13	13
2	5	3	6	1	2	5	3	6	1	2	5	3	6
14	15	15	T2	16	17	18	19	20	21	22	23	T3	24
1	1	1	1	1	1	1	1	1	A	A	A	1	1
1	1	1	1	1	1	1	1	1	1	1	1	1	1
1	1	1	1	1	1	1	A	A	1	1	1	1	1
A	A	1	1	1	1	1	A	A	A	A	A	1	1
1	1	1	1	1	1	1	1	1	1	1	1	A	A
1	1	1	1	1	1	1	1	1	1	1	1	1	1
1	1	1	1	1	1	1	1	1	1	1	1	1	1
OD	OD	OD	OD	OD	OD	OD	OD	OD	OD	OD	OD	OD	OD
1	1	1	1	1	1	1	1	1	1	1	1	1	1
1	1	A	A	A	A	A	1	1	1	1	1	1	1
1	1	OD	OD	1	1	1	1	1	1	1	1	1	1
1	1	OD	OD	1	1	1	1	1	1	1	1	1	1
1	1	1	1	1	1	1	2	2	2	2	2	1	1
3	R	R	R	R	R	R	R	R	R	R	R	R	R

Internal Test Marks					Internal Marks (20)	Univ Exam Grade
RT	II	RT	III	RT		
	24		57		11	
	68		54		12.6	
	74		57		13.9	
	66		72		13.6	
	60		70		13.7	
	88		82		17	
	72		61		13.4	
62	AB	70	37		11.2	
	82		61		13.8	
	78		42		12	
	62		41		10.8	
	90		91		17.6	

Month VIII Semester B.E. EEE

CLASS MAR/APR

4	14	14	20	20	21	21	21	27	27	28	28	25	3
1	2	5	3	6	1	2	5	3	6	1	2	5	3
25	26	27	28	29	IAT	IAT	30	31	32	33	34	T4	35
/	/	/	/	/	/	/	/	A	A	/	/	/	/
/	/	/	/	/	/	/	/	/	/	/	/	/	/
/	/	/	/	/	/	/	/	/	/	/	/	/	/
/	/	/	/	/	/	/	/	/	/	/	/	/	/
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/	/	/	/	/	/	/	/	/	/	/	/	/	/
/	/	/	/	/	/	/	/	A	A	/	/	/	A
OD	OD	OD	OD	OD	OD	OD	OD	OD	OD	OD	OD	OD	OD
/	/	/	/	/	/	/	/	/	/	/	/	/	/
/	/	/	/	/	/	/	/	/	/	/	/	/	/
/	/	/	/	/	/	/	/	/	/	/	/	/	/
/	/	/	/	/	/	/	/	/	/	/	/	/	/

Month APR

CLASS VIII Semester B.E.EEE

3	4	4	4	10	10	11	11	11	18	18	18	1	1
6	1	2	5	3	6	1	2	5	1	2	6	7	8
36	37	38	39	40	41	42	43	44	45	46	75	IAT	IA
/	/	/	/	A	A	A	A	A	/	/	/	/	/
/	/	/	/	/	/	/	/	/	/	/	/	/	/
/	/	/	/	A	A	/	/	/	/	/	/	/	/
/	/	/	/	/	/	/	/	/	/	/	/	/	/
/	/	/	/	/	/	/	/	/	/	/	/	/	/
/	/	/	/	/	/	/	/	/	/	/	/	/	/
A	/	/	/	/	/	/	/	/	/	/	/	/	/
OD	OD	OD	OD	OD	OD	OD	OD	OD	OD	OD	OD	OD	OD
/	/	/	/	/	/	/	/	/	/	/	/	/	/
/	A	A	A	/	/	/	/	/	/	/	/	/	/
/	/	/	/	/	/	/	/	/	/	/	/	/	/
/	/	/	/	/	/	/	/	/	/	/	/	/	/

Month APR / MAY

CLASS VIII Semester B.E. EEE

24	24	25	25	25	2	2	2	9	9	9	9	9	9
3	6	1	2	5	1	2	5	1	2	3	4	5	6
47	48	49	50	51	52	53	54	55	56	57	58	59	60
1	1	1	1	1	1	1	1	1	1	1	1	1	1
1	1	1	1	1	1	1	1	1	1	1	1	1	1
1	1	1	1	1	1	1	1	1	1	1	1	1	1
1	1	1	1	1	1	1	1	1	1	1	1	1	1
1	1	1	1	1	A	A	A	1	1	1	1	1	1
A	A	A	A	A	1	1	1	1	1	1	1	1	1
1	1	A	A	A	1	1	1	1	1	1	1	1	1
OD	OD	OD	OD	OD	OD	OD	OD	1	1	1	1	1	1
1	1	1	1	1	1	1	1	1	1	1	1	1	1
A	A	A	A	A	A	A	A	1	1	1	1	1	1
A	A	1	1	1	1	1	1	1	1	1	1	1	1
1	1	1	1	1	1	1	1	1	1	1	1	1	1

Attendance

(15) I	(17) II	(18) III	(13) IV	(63) Total	%
10	14	11	13	48	76.1
15	17	18	13	63	100
15	15	16	13	59	93.6
12	12	18	13	55	87.3
13	15	18	10	56	88.8
15	17	18	8	58	92
13	17	14	10	54	85.7
15	17	18	13	63	100
13	17	18	13	61	96.8
15	12	15	5	47	74.6
15	17	18	11	61	96.8
15	17	18	13	63	100

Direct Assessment

A-1	A-2	A-3							
1	2	3	4	5	6	7	8	9	10
20	20	20							
20	20	20							
20	20	20							
20	20	20							
20	20	20							
20	20	20							
20	20	20							
20	20	20							
20	20	20							
20	20	20							
20	20	20							
20	20	20							

Internal Test Marks

I	RT	II	RT	III	RT
82		24		57	
68		68		54	
78		74		57	
66		66		72	
76		60		70	
86		88		82	
68		72		61	
AB	62	AB	70	37	
64		82		61	
61		78		42	
60		62		41	
84		90		91	

RECORD OF CLASS WORK

Date	Period	Cumulative Hours	UNIT - I Topics Covered	Instructional Methods	Initial
			INTRODUCTION TO SMART GRID		
06.2.2023	3	1	Evolution of Electric Grid	Passive Mode	
06.2.2023	6	2	Concept, Definitions and Need for Smart Grid	Passive Mode	
07.02.2023	1	3	Smart Grid Drivers	Passive Mode	
07.02.2023	2	4	Smart Grid functions	Passive Mode	
07.02.2023	5	5	Smart Opportunities	Passive Mode	
13.02.2023	3	6	Smart Grid challenges and Benefits	Passive Mode	
13.02.2023	6	7	Difference between Conventional and Smart Grid	Passive Mode	
14.02.2023	1	T1	Diagram practice on (NIST, IEEE) model of a Smart Grid	Passive Mode	
14.02.2023	2	8.	National Initiatives in Smart Grid	Active Mode	
14.02.2023	5	9.	International Initiatives in Smart Grid	Passive Mode	
20.02.2023	3	10.	Revision	Passive Mode	
S.K 20/02/23					

RECORD OF CLASS WORK

Date	Period	Cumulative Hours	Topics Covered	Instructional Methods	Initial
			UNIT - II SMART GRID TECHNOLOGIES		
20.02.2023	6	11	Technology Drivers, Smart Energy Resources, Smart Substations	Passive Mode	
21.02.2023	1	12	Substation Automation & feeder Automation	Passive Mode	
21.02.2023	2	13	Transmission systems: EMS, FACTS, and HVDC	Passive Mode	
21.02.2023	5	14	Wide Area Monitoring, Protection and Control	Passive Mode	
27.02.2023	3	15	Distribution systems: DMS, Volt/VAR Control	Passive Mode	
27.02.2023	6	T2	Diagram practice on Energy Management System	Passive Mode	
28.02.2023	1	16	Fault Detection, Isolation and Service restoration	Passive Mode	
28.02.2023	2	17	Outage Management	Passive Mode	
28.02.2023	5	18.	High efficiency Distribution Transformers, & phase shifting Transformers.	Passive Mode	
06.03.2023	3	19.	Plugin Hybrid Electric Vehicles (PHEV)	Active Mode	
06.03.2023	6	20.	Revision	Passive Mode	
S.K 06/03/23					

RECORD OF CLASS WORK

Date	Period	Cumulative Hours	Topics Covered	Instructional Methods	Initial
			UNIT – III SMART METERS AND ADVANCED METERING INFRASTRUCTURE		
07.03.2023	1	21	Introduction to Smart meters	Passive Mode	
07.03.2023	2	22	Smart meter system: Issues, technologies & Security	Passive Mode	
07.03.2023	5	23	Advanced Metering Infrastructure drivers and benefits	Active Mode	
13.03.2023	3	T3	Diagram practice on hardware structure of a modern Smart Meters	Passive Mode	
13.03.2023	6	24	AMI Protocols and Standards	Passive Mode	
14.03.2023	1	25	AMI Initiatives	Passive Mode	
14.03.2023	2	26	AMI Needs in the Smart Grid	Active Mode Passive	
14.03.2023	5	27	Phasor Measurement Unit (PMU)	Active Mode	
20.03.2023	3	28	Intelligent Electronic Devices (IED)	Passive Mode	
20.03.2023	6	29	IED Application for monitoring & Protection	Passive Mode	
21.03.2023	5	30	Revision	Passive Mode	
S.K 21/03/23					

RECORD OF CLASS WORK

Date	Period	Cumulative Hours	Topics Covered	Instructional Methods	Initial
			UNIT-IV Power Quality Management in Smart Grid		
27.3.2023	3	31	Power Quality in Smart Grid	Passive Mode	
27.3.2023	6	32	EMC in Smart Grid	Passive Mode	
28.3.2023	1	33	Power quality Issues of Grid Connected Renewable Energy Sources	Active Mode	
28.3.2023	2	34	Requirements for Grid Connected Systems	Passive Mode	
28.3.2023	5	T4	Diagram practice on Grid Connected System	Passive Mode	
03.04.2023	3	35	Power Quality Conditioners for Smart Grid	Passive Mode	
03.04.2023	6	36	Examples of power quality Conditioners for smart grid	Passive Mode	
04.04.2023	1	37	Web based power quality Monitoring	Passive Mode	
04.04.2023	2	38	Software for web based Power Quality Monitoring	Passive Mode	
04.04.2023	5	39	Power Quality Audit	Passive	
10.04.2023	3	40	Revision	Passive Mode	
10/04/23					

RECORD OF CLASS WORK

Date	Period	Cumulative Hours	Topics Covered	Instructional Methods	Initial
			UNIT - V		
			High Performance Computing for Smart Grid Applications		
10.04.2023	6	41	Communication Network	Active Mode	
11.04.2023	1	42	Local Area Network (LAN)	Active Mode	
11.04.2023	2	43	House Area Network (HAN)	Active Mode	
11.04.2023	5	44	Wide Area Network (WAN)	Active Mode	
18.04.2023	1	45	Broadband over powerline (BPL)	Passive Mode	
18.04.2023	2	46	IP based protocols	Passive Mode	
18.04.2023	6	T5	Practice on Comparative analysis on various Communication Technologies	Passive Mode	
24.04.2023	3	47	Basics of Web Service and Cloud Computing to make Smart grid smarter	Passive Mode	
24.04.2023	6	48	Introduction to cyber security	Passive Mode	
25.04.2023	1	49	Cyber Security for smart grid	Passive Mode	
25.04.2023	2	50	Revision	Passive Mode	

Staff
02/05/23

RECORD OF CLASS WORK

Date	Period	Cumulative Hours	Topics Covered	Instructional Methods	Initial
			Content Beyond Syllabus		
25.04.2023	5	51	Electrical Energy Storage Systems	Passive Mode	
02.05.2023	1	52	Demand side Integration and Demand Response	Passive Mode	
02.05.2023	2	53	Unit - IV Revision	Passive Mode	
02.05.2023	5	54	Unit - V Revision	Passive Mode	
S.K 02/05/23					

Course Assesment Plan :

Continuous Internal Assessment Methods (CIAM) (Direct / Indirect)	Weightage (%)							
	CO1	CO2	CO3	CO4	CO5	CO6	CIAM	End Semester
Interval Assessment Test	60	60	60	60	60		40	60
Assignment	10	10	10	10	10			
Tutorial	10	10	10	10	10			
Micro project	10	10	10	10	10			
CO End Survey	10	10	10	10	10			
Total	100	100	100	100	100		100	

Course Outcome Attainment :

Continuous Internal Assessment Methods (CIAM) (Direct / Indirect)	Weightage							
	CO1	CO2	CO3	CO4	CO5	CO6	CIAM	End Semester
Percentage of Students scored ≥ (60 %)	100%	100%	83.33%	75%	66.67%		2.372	3
Direct AM (90)	2.7	2.7	2.7	1.8	0.9			
CO End Survey (10)	0.21	0.22	0.215	0.21	0.205			
Direct (90) + Indirect (10)	2.91	2.92	2.915	2.01	1.105			
Overall Attainment (40 CIAM + 60 University)							2.748	

Class / Semester : VIII Semester B.E. EEE

Total No. of Students : 12

Test	No. of Students appeared	No. of Students Passed	Pass %	Highest Mark	Lowest Mark	No. of Absentees
IT - I	11	11	100	86	60	1
	12	12	100	86	60	–
IT- II	11	10	90.9%	90	24	1
	12	11	91.6%	90	24	–
IT - III	12	5	50%	91	37	–
End Semester Exam	12	12	100%	A+	B	

CO Target	CO Attainment	Status (Attained / Not Attained)
2.31	2.748	Attained

Reasons : (If not Attained)

Not Applicable

Proposed Corrective Actions :

NIL

Course Code & Name:	EE8019 Smart Grid
Year of Study:	IV year / VIII semester
Batch:	2019-2023
Academic Year:	2022 - 2023 (Even Semester)

2016-2020	2017-2021	2018-2022
AGPA1	AGPA2	AGPA3
NA	7.8	7.09

Student Quality AGPA Average	**7.4**	**1.56**
Number of Times subject handled	1	0.15
Faculty Experience	10	0.6
Target		**2.31**

Parameter	Weightage	Criteria	Weightage	
Number of Times Subject handled in RIT	10%	Less than 2 times	50%	0.15
		2 times	75%	0.225
		3 and above	100%	0.3
Faculty Experience	20%	Less than 3 years Experience	40%	0.24
		Equal and greather than 3 and less than 5 years	60%	0.36
		Equal and greather than 5 years	100%	0.6
Student Quality	70%	AGPA Average	70%	2.1

Note: If it is a subject never taught to the students, then the Target is 1.8

PREREQUISITE - 2022-2023/EVEN FOURTH YEAR-EEE
EE8019-Smart Grid

-1 indicates Absent

S.No.	Register No.	Name	Marks
1	953619105002	ANANTHARAJ V	44
2	953619105004	ARJUNA RAJA V	76
3	953619105005	ARUNKUMAR A	56
4	953619105007	GURUMOORTHY S	48
5	953619105011	KANNAN A	52
6	953619105015	MAHEEN SHEIK MOHIDEEN S	56
7	953619105019	RISHI RAGHUL E	52
8	953619105020	SEENU RA	60
9	953619105021	SHARMA KUMAR S	60
10	953619105022	SUNIL RAM D M	88
11	953619105302	KABILAN K	56
12	953619105303	KALIRAJ R	72

No. of Students appeared (n)	12	No. of Students absent (a)	0
No. of Students Scored > 60 marks (w) / Percentage (w/n)*100			3 / 25%
No. of Students Passed (scored marks ≥ 60 out of 100) (x) / Percentage (x/n)*100			5 / 41.67%
No. of Students Scored marks < 60 and > 50 out of 100 (y)			5
No. of Students Scored ≥ 50 marks (z) / Percentage (z/n)*100			10 / 83.33%
No. of Students failed (scored marks < 50 out of 100) / Percentage			2 / 16.67%
Lowest Marks: 44	Average Marks: 60	Highest Marks: 88	
Attainment Level*		Test Attainment: 0	
Facilitation Value#		$(M_U + M_L)/((N_U + N_L)/X)$	0.63

Number of Students Scored Marks in Various Ranges:
<50: 2; 50-60: 7; 61-70: 0; 71-80: 2; 81-90: 1; 91-100: 0

*Attainment Level 1 : 60 % Students Scoring More than 60% of Marks;
Attainment Level 2 : 70 % Students Scoring More than 60% of Marks;
Attainment Level 3 : 80 % Students Scoring More than 60% of Marks

M_U = Total marks obtained by upper group of the students
M_L = Total marks obtained by lower group of the students
N_U = Top 30% scorers of entire class
N_L = Bottom 30% scorers of entire class
X = Max. Marks

6/2/23

Signature of Faculty

HoD

RAMCO INSTITUTE OF TECHNOLOGY

Approved by AICTE, New Delhi & Affiliated to Anna University
Accredited by NAAC & An ISO 9001: 2015 Certified Institution
NBA Accredited UG Programs: CSE, EEE, ECE and MECH

PREREQUISITE - 2022-2023/EVEN FOURTH YEAR-EEE
EE8019-Smart Grid

-1 indicates Absent

S.No.	Register No.	Name	Marks
1	953619105002	ANANTHARAJ V	44
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3	953619105005	ARUNKUMAR A	56
4	953619105007	GURUMOORTHY S	48
5	953619105011	KANNAN A	52
6	953619105015	MAHEEN SHEIK MOHIDEEN S	56
7	953619105019	RISHI RAGHUL E	52
8	953619105020	SEENU RA	60
9	953619105021	SHARMA KUMAR S	60
10	953619105022	SUNIL RAM D M	88
11	953619105302	KABILAN K	56
12	953619105303	KALIRAJ R	72

No. of Students appeared (n)	12	No. of Students absent (a)	0
No. of Students Scored > 60 marks (w) / Percentage (w/n)*100			3 / 25%
No. of Students Passed (scored marks ≥ 60 out of 100) (x) / Percentage (x/n)*100			5 / 41.67%
No. of Students Scored marks < 60 and > 50 out of 100 (y)			5
No. of Students Scored ≥ 50 marks (z) / Percentage (z/n)*100			10 / 83.33%
No. of Students failed (scored marks < 50 out of 100) / Percentage			2 / 16.67%
Lowest Marks: 44	Average Marks: 60	Highest Marks: 88	
Attainment Level*		Test Attainment: 0	
Facilitation Value#		$(M_U + M_L)/((N_U + N_L)/X)$	0.63

Number of Students Scored Marks in Various Ranges:
<50: 2; 50-60: 7; 61-70: 0; 71-80: 2; 81-90: 1; 91-100: 0

*Attainment Level 1 : 60 % Students Scoring More than 60% of Marks;
Attainment Level 2 : 70 % Students Scoring More than 60% of Marks;
Attainment Level 3 : 80 % Students Scoring More than 60% of Marks

M_U = Total marks obtained by upper group of the students
M_L = Total marks obtained by lower group of the students
N_U = Top 30% scorers of entire class
N_L = Bottom 30% scorers of entire class
X = Max. Marks

Prerequisite for EE8019 - Smart Grid

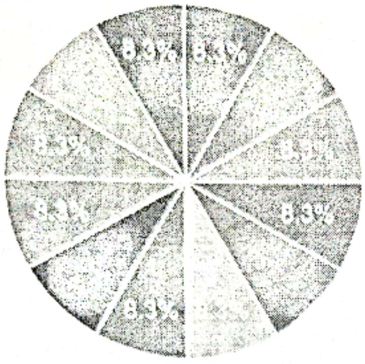
12 responses

Publish analytics

Name of the Student

Copy

12 responses



- 953619105002 ANANTHARA...
- 953619105004 ARJUNA RAJ...
- 953619105005 ARUNKUMAR A
- 953619105007 GURUMOOR...
- 953619105011 KANNAN A
- 953619105015 MAHEEN SH...
- 953619105019 RISHI RAGH...
- 953619105020 SEENU RA

1/2

A 3-phase 4-wire system is commonly used on

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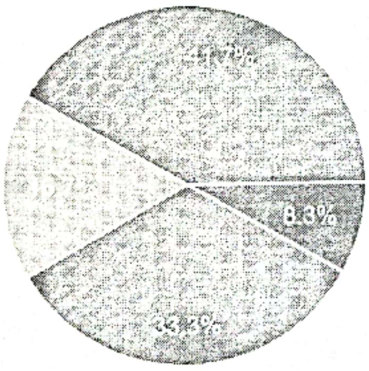

- Primary transmission
- Secondary transmission
- Primary distribution
- Secondary distribution

When the load power factor of a power station increases, the units (kWh) generated

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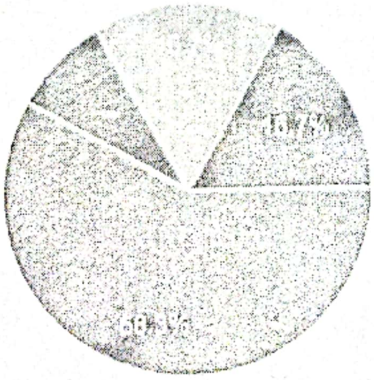

- Are increased
- Are decreased
- Remain the same
- None of the above

Drop-in alternator frequency is corrected by:

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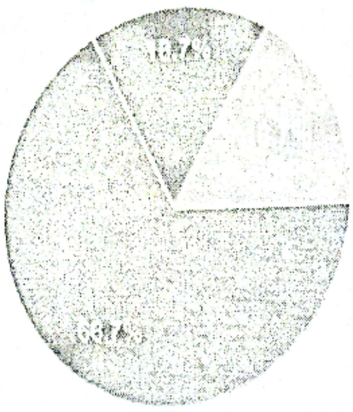

- Automatic Voltage Regulator
- Damper Winding
- Increase Prime Mover Output
- Decrease Prime Mover Output

A circuit is disconnected by isolators when

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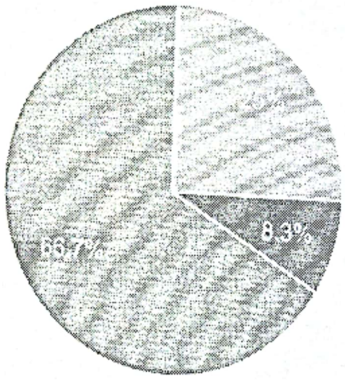

- Line is energized
- There is no current in the line
- Line is on full load
- Circuit breaker is not open

A factory draws an apparent power of 360 kVA at a lagging power factor of 0.65. The active power drawn by the factory is

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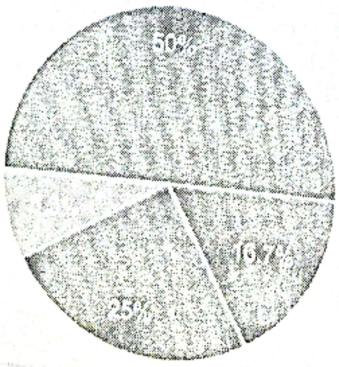

- 285 kW
- 228 kW
- 185 kW
- 195 kW

A load draws a power of 10 kW at a p.f. of 0.707 lagging. The lagging kVAr drawn from the supply will be

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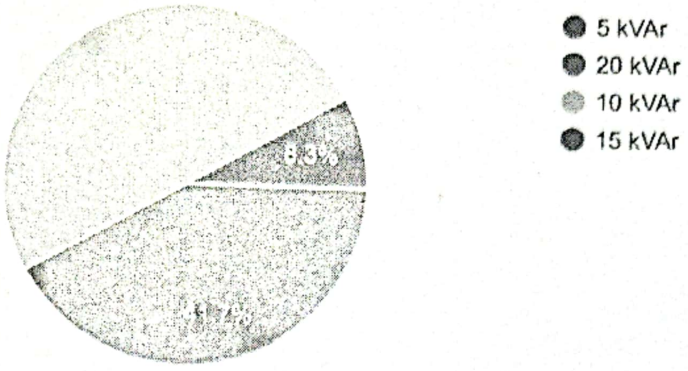

Which of the following is a shunt controller?

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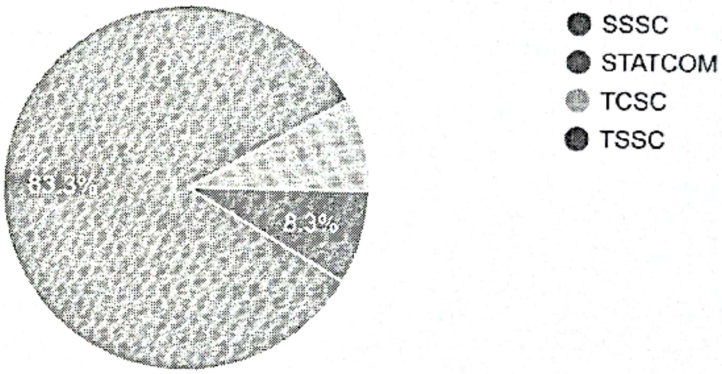

Which of the following is not a series controller ?

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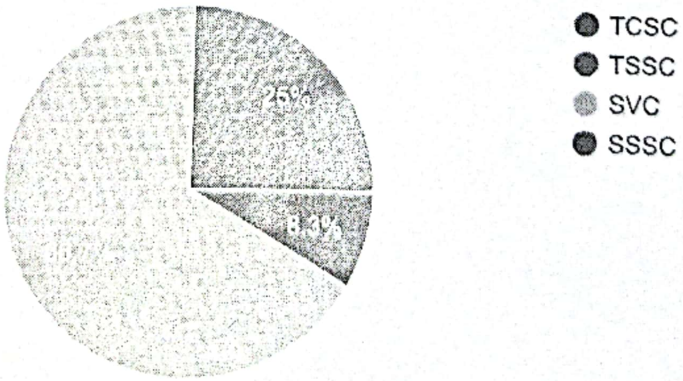

STATCOM is_____

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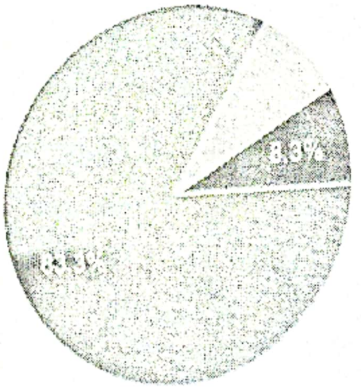

- Current
- Voltage
- Current and Voltage
- Power factor

The SCADA systems used to _____

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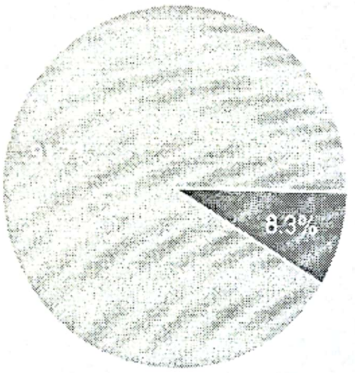

- Monitor
- Control
- Monitor and Control
- None of the above

The monitor and control of energy management system is done by using

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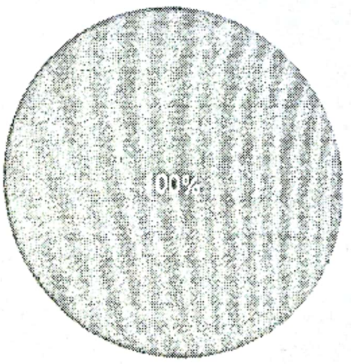

- MATLAB
- SCADA
- AUTO - CAED
- All of these

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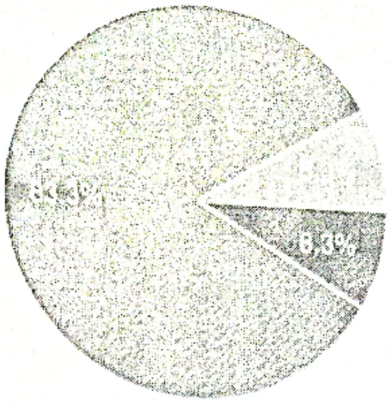

- kWh
- kVA
- kVAr
- All of these

For constant voltage transmission the voltage drop is compensated by installing

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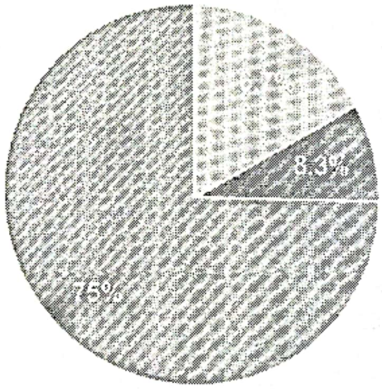

- Capacitors
- Synchronous motors
- Inductors
- All of the above.

The main objective of energy management is to

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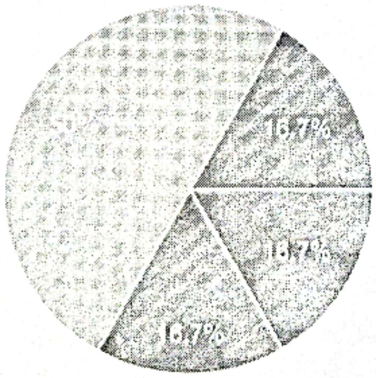

- Minimize energy cost
- Minimum environmental effects
- Maintain optimum energy procurement and utilization
- All of these

Maximum demand charges are given in

12 responses

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- kWh
- kVA
- kVAr
- All of these

For constant voltage transmission the voltage drop is compensated by installing

12 responses

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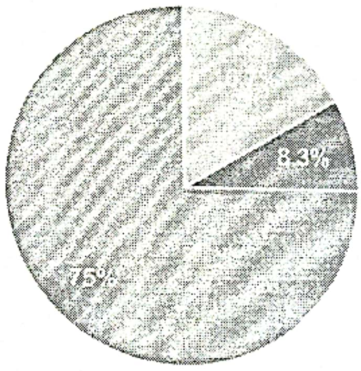

- Capacitors
- Synchronous motors
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- All of the above.

The main objective of energy management is to

12 responses

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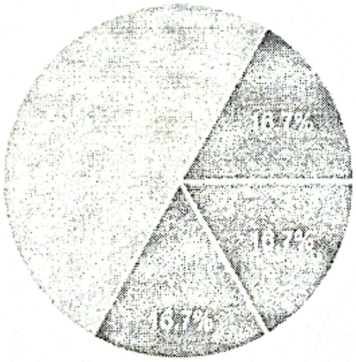

- Minimize energy cost
- Minimum environmental effects
- Maintain optimum energy procurement and utilization
- All of these

Transmission efficiency increases as

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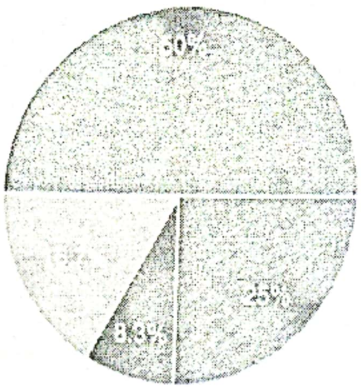

- voltage decreases but power factor increases
- voltage increases but power factor decreases
- voltage and power factor both decrease
- voltage and power factor both increase.

Voltage collapse typically occurs in the power system due to

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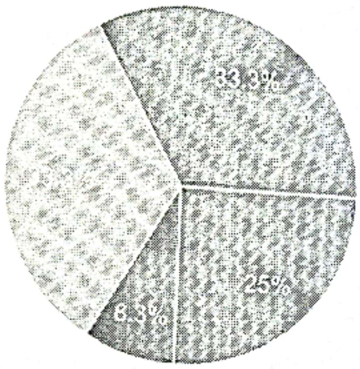

- Heavily loaded line
- Faulted line
- Reactive power shortages in line
- All of above

Voltage regulation is defined as

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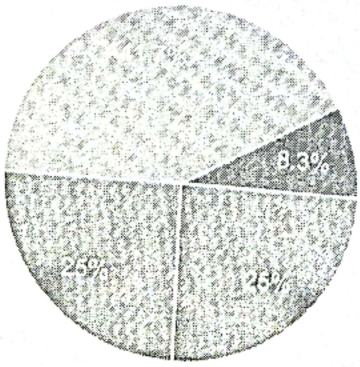

- The per unit change in the sending end voltage magnitude for a specific variation in the r...
- The per unit change in the receiving end voltage magnitude for a specific variat...
- The per unit change in the sending end voltage magnitude for a specific variation in the r...
- None of above

When a live conductor of public electric supply breaks down and touches the earth which of the following will happen?

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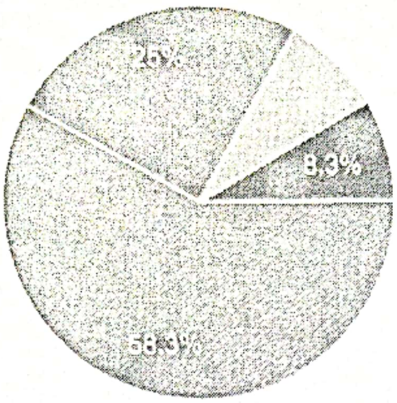

- Current will flow to earth
- Supply voltage will drop
- Supply voltage will increase
- No current will flow in the conductor

The loads on distributors systems are generally

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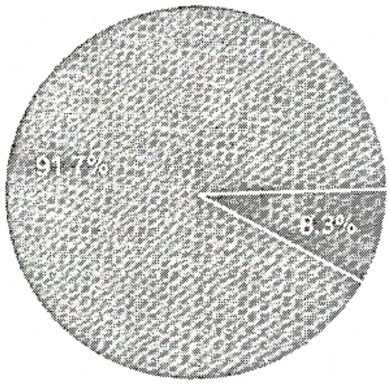

- Balanced
- Unbalanced
- Either of the above
- None of the above

The major cause of voltage instability is

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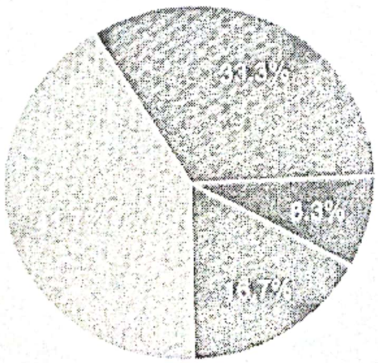

- Transformer
- Generator
- Load
- Transmission lines

A power system will have greater flexibility of operation if they have _____

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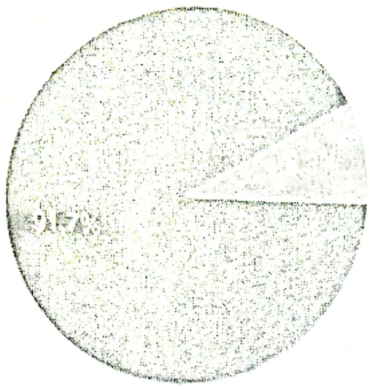

- Only Base load plants operating in combination
- Various types of power plants operating in combination
- Only Peak load plants operating in combination
- Only thermal power plants operating in combination

Which of the following is not an advantage of hydroelectric power plant?

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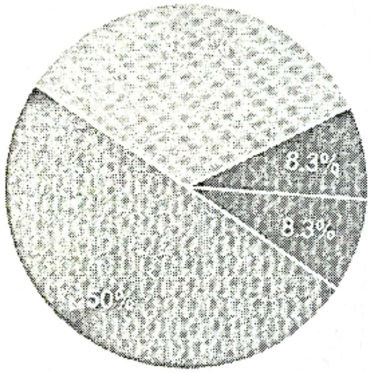

- no fuel requirement
- continuous power source
- low running cost
- no standby losses

Which of the following is an essential requirement for a peak load plant?

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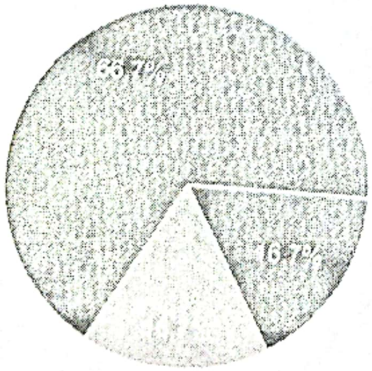

- Economical and speedy repair
- Capability of working continuously
- Low operating cost
- Capability of quick start

The load factor is _____

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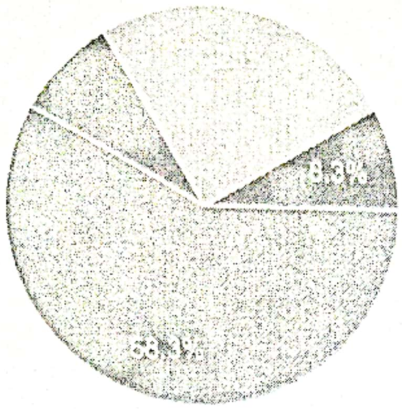

Which of the following is called as cold reserve?

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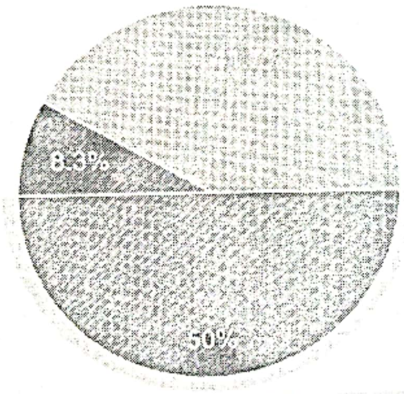

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COURSE OUTCOME END SURVEY

Department of Electrical and Electronics Engineering

Academic Year: 2022- 2023 (Even Semester)

Course Code & Title: EE8019 – Smart Grid
Course Index & Year of Study: C412 & 2022-2023
Degree, Semester & Branch: VIII Semester B.E. EEE
Name of the Faculty member: Mr. E. Thangam, AP (SG) – EEE
Course Objectives and Outcomes
Course Objectives:

1. To understand the basic concepts, components and architecture of smart grid.
2. To impart the knowledge on smart grid technologies and electric vehicles.
3. To educate about the different smart meters and advanced metering infrastructure.
4. To know about the power quality management issues in smart grid.
5. To provide the knowledge about the communication technologies applied in smart grid.

Course Outcomes:

After completion of the course, it is expected that:

CO	CO Statement	Unit	Level
CO 1	Evaluate the functions of the grid components for converting to a smart grid system	1	III
CO 2	Evaluate the electrical parameters of the grid for its efficient functioning	2	III
CO 3	Evaluate the performance of the various types of smart meters for their effective functioning.	3	III
CO 4	Suggest the solutions to various power quality issues arising due to renewable energy power inputs into the grid.	4	III
CO 5	Evaluate the performance of the communication network in Smart Grid Systems	5	III

Course Outcome End survey:

Q. No.	Question	5 (High)	4	3	2	1 (Low)
1.	This course helps me to evaluate the functions of the grid components for converting to a smart grid system	5	1	3	1	2
2.	This course helps me to evaluate the electrical parameters of the grid for its efficient functioning	4	2	4	2	0
3.	This course helps me to evaluate the performance of the various types of smart meters for their effective functioning.	4	2	4	1	1
4.	I can suggest the solutions to various power quality issues arising due to renewable energy power inputs into the grid.	4	1	5	1	1
5.	I can evaluate the performance of the communication network in Smart Grid Systems	4	1	4	2	1

26/6/23

Signature of Faculty member

26/06/23

HoD

Timestamp	Name of the student	This course helps me to evaluate the functions of the grid components for converting to a smart grid system	This course helps me to evaluate the electrical parameters of the grid for its efficient functioning	This course helps me to evaluate the performance of the various types of smart meters for their effective functioning.	I can suggest the solutions to various power quality issues arising due to renewable energy power inputs into the grid.	I can evaluate the performance of the communication network in Smart Grid Systems
6-17-2023 15:27:13	953619105007 GURUMOORTHY S	1	2	1	1	2
6-17-2023 15:28:53	953619105005 ARUNKUMAR A	4	4	4	4	4
6-17-2023 15:34:00	953619105302 KABILAN K	2	3	3	3	2
6-17-2023 15:37:31	953619105022 SUNIL RAM D M	5	5	5	5	5
6-17-2023 15:48:08	953619105015 MAHEEN SHEIK MOHIDEEN	5	5	5	5	5
6-17-2023 15:50:26	953619105021 SHARMA KUMAR S	5	5	5	5	5
6-17-2023 16:00:54	953619105002 ANANTHARAJ V	3	3	3	3	3
6-17-2023 16:04:19	953619105019 RISHI RAGHUL E	3	3	3	3	3
6-17-2023 16:11:21	953619105020 SEENU RA	5	5	5	5	5
6-17-2023 16:24:58	953619105004 ARJUNA RAJA V	3	3	3	3	3
6-17-2023 17:35:45	953619105303 KALIRAJ R	1	2	2	2	1
6-17-2023 18:05:10	953619105011 KANNAN A	5	4	4	3	3
Count if (Very Strong)		5	4	4	4	4
Count if (Strong)		1	2	2	1	1
Count if (Satisfied)		3	4	4	5	4
Count if (2)		1	2	1	1	2
Count if (1)		2	0	1	1	1
CES 5 Scale Value		3.50	3.67	3.58	3.50	3.42
CES 3 Scale Value		2.10	2.20	2.15	2.10	2.05

RAMCO INSTITUTE OF TECHNOLOGY
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
INTERNAL ASSESSMENT TEST- III
Scheme of Evaluation and Answer Key
EE8019 SMART GRID
PART-A

1. What is power quality management? **(2 Marks)**

Power quality management ensures the power quality offer to the customers and record quality events that can cause faults in the installations connected to the distribution network and the transformer substations.

2. How power quality can be monitored? **(2 Marks)**

To monitor their power, modern power plants use digital fault recorders, smart relays, voltage recorders, in-plant power monitors, and special-purpose power quality equipment. A digital fault recorder activates on fault events and records the current waveforms and voltage that caused the problem.

3. State the need for power quality audit. **(2 Marks)**

- Improves the power quality and brings in efficiency
- Helps to identify and eradicate harmonics which minimizes line losses and minimize reduction in the equipment lifetime due to harmonics
- Helps to identify and eradicate transients to avoid short-duration change in voltage.
- Improves and maintain continuous supply of quality electricity supply.

4. Define total demand distortion. **(2 Marks)**

The total demand distortion is based on the demand current, I_L, over the monitoring period.

$$TDD = \frac{\sqrt{I_1^2 + I_2^2 + I_3^2}}{I_L}$$

Usually, a weak source with a large demand current relative to their rated current will have a tendency to show greater waveform distortion. While on the other side, a decreased waveform distortion is observed for sources with low demand currents.

5. What are role of a power quality conditioner? **(2 Marks)**

- Deliver voltage and current of the proper level.
- To enable load equipment to function properly.
- Ensure efficient power transfer between utility grid and micro grid.
- Isolate utility grid from disturbances.
- Integration with energy storage system.

6. Define Home Area Network. **(2 Marks)**

Home area network HAN is deployed for monitoring and controlling integrated devices and to perform smart metering processes at consumer's premises. Hence, HAN is known as fundamental network architecture in a smart grid. HAN facilitates interaction of energy management systems and smart appliances.

7. What is the basic principle of Broadband over power line? **(2 Marks)**

Broadband over power lines (BPL) is a method of power-line communication (PLC) that allows relatively high-speed digital data transmission over the public electric power distribution wiring. BPL uses higher frequencies, a wider frequency range and different technologies compared to other forms of power-line communications to provide high-rate communication over longer distances. BPL uses frequencies that are part of the radio spectrum allocated to over-the-air communication services.

8. Why cloud computing is used in smart grid? (2 Marks)

Cloud Computing (CC) model is an emerging area through which the computati requirements of smart grid applications can be easily met out. Some unique features of cl computing namely flexible resources, flexible services, parallel processing and omnipresent acc are highly desirable for smart grid applications.

9. Mention the smart grid security objectives. (2 Marks)

- Availability.
- Integrity.
- Confidentiality.

10. Mention the security issues in the Smart Grid. (2 Marks)

Three smart grid security issues to overcome:

1. Attack the device.
2. Attack the communication.
3. Attack the ecosystem.

PART-B

11a. Discuss in detail about web based power quality monitoring in smart grid.

- This system is **well suited** for a large network.
- PQ monitoring instrument, Modems for communications, Central server, UPS, Back up tape and GPS are the various components provided in the multi-channel PQ monitoring system.
- MODEM is used for communicating the captured PQ data.
- The PQ meter measures and store the data.
- Then the data is transmitted to the central system server through leased dial up line, customer intranet, Ethernet network or DSL modem.
- The network is specially designed to be able to use various communication means, so that different customer needs would be met.
- For very remote sites where communication network is not available, wireless communication using GMS format or radio would be adopted.

Explanation – 13 Marks

11b. Explain the power quality issues of grid connected renewable energy sources.

- Power Quality issues are harmonics and voltage and frequency fluctuations.
- Frequency and voltage fluctuation again classified as:
  - Grid-derived voltage fluctuations
  - Voltage imbalance
  - Voltage rise and reverse power flow
  - Power factor Correction

Explanation – 13 Marks

12a. (i) Interpret the power quality standards in smart grid.

IEEE Categories Standard 1159-1995	
Long Duration Variations	**Typical Duration**
Sustained interruptions	> 1 min
Under voltages	> 1 min
Over voltages	> 1 min

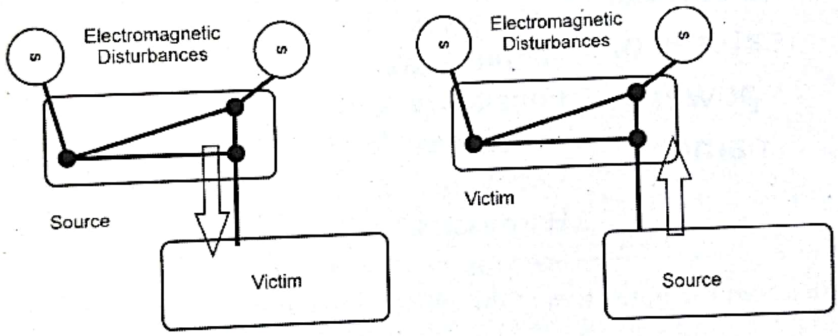
Voltage imbalance	Steady state
Waveform Distortion	
DC offset	Steady state
Harmonics	Steady state
Inter harmonics	Steady state

12a. (ii) List the selection criteria for power quality monitoring.

- Proper selection of monitoring equipment
- Method of data collection
- Financial damages caused by PQ events either in critical or sensitive equipment
- PQ problems and events may cause malfunctions or damages in the equipment.

12b. Describe the significance of electromagnetic compatibility in power system with smart grid.

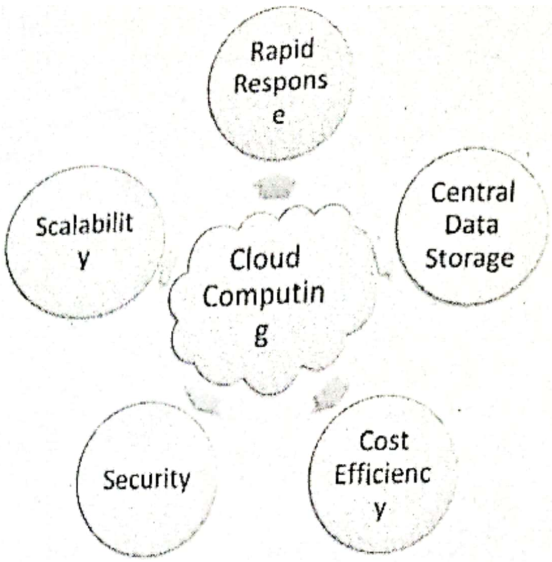
- **IEC:** Electromagnetic compatibility is the ability of an equipment or system to function satisfactorily in its electromagnetic environment without introducing intolerable electromagnetic disturbances to anything in that environment.
- Electromagnetic disturbances may be either radiated or conducted type.
- These disturbances are further categorized as low and high frequency phenomena, where IEC defines low frequency up to and including 9 kHz.



13a. (i) Outline the dependency of loads on harmonics.

PQ Problem	Reason	Effect
Harmonics & Inter-harmonics	Power electronics, non-linear loads; signalling voltages	Equipment mal-operation, damage to motors, generators and transformers

13a. (ii) Describe in detail about the cloud computing enhancers for the smart grid.

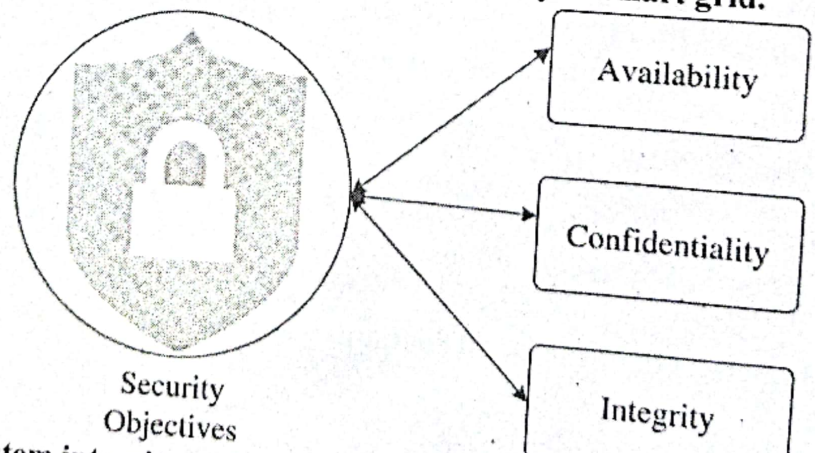


13b. (i) Discuss the various power quality indices.

Power quality audit measures the various features of power namely

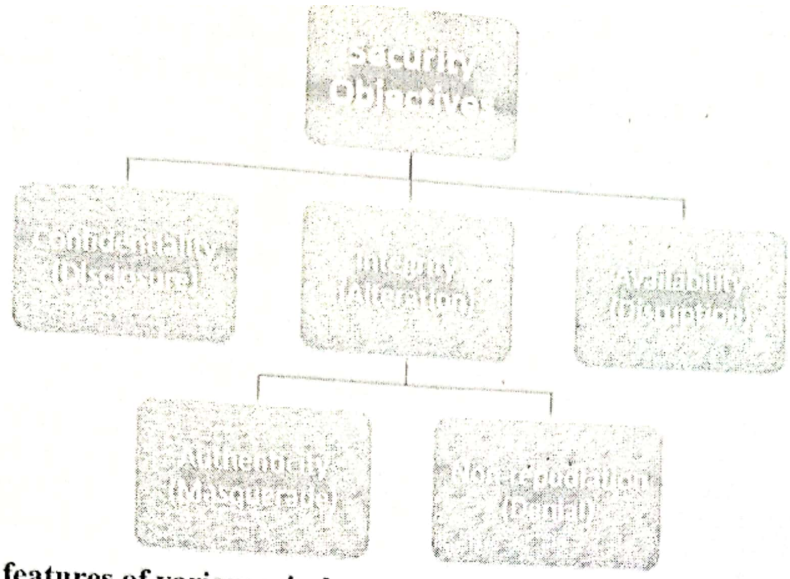
- Active Power
- Apparent Power
- Kilo watt hour
- Phase angle & Power Factor
- Telephonic interference factor
- Under voltage & Over voltage
- Short-Term Voltage Fluctuations
- Voltage Sags & Swells
- Imbalance
- Flickers
- Imbalanced Voltage
- Unbalanced load
- RMS Value
- Harmonics
- Frequency & interruptions etc

13b. (ii) Explain about the objectives of the cyber-security in smart grid.



Security Objectives

14a. Explain the system integrity and network integrity in security functions.



14b. Tabulate the features of various wireless communication technologies used in Smart Grid.

Technology	Advantage	Disadvantage	Application
Zigbee (IEEE 802.15.4, ZigBee Alliance) Low-cost, low power, wireless mesh standard for wireless home area networks (WHANs) or wireless personal area networks (WPANs)	Very low cost - inexpensive consumer devices; Low power consumption - years of battery life; Self-organizing, secure, and reliable mesh network; Network can support a large number of users; Smart energy profile for HANs is available	Very short range; Does not penetrate structures well; Low data rates; Developers must join ZigBee Alliance	HANs for energy management and monitoring; Unlikely to be used in NANs
Wi-Fi (IEEE 802.11b/g/n) Indoor wireless local area networks (WLANs), wireless mesh networks	Low-cost chip sets - inexpensive consumer devices; Widespread use and expertise; Low-cost application development; Stable and mature standards	Does not penetrate cement buildings or basements; Small coverage and short distances limit wide spread use; Security issues with multiple networks operating in same locations	Could be used for HANs, MGANs, and NANs
3G Cellular (UMTS, CDMA2000, EV-DO, EDGE) Wide-area wireless networks for voice, video, and data services in a mobile environment	Expensive infrastructure already widely deployed, stable and mature; Well standardized; Equipment prices keep dropping; Readily available expertise in deployments; Cellular chipset very inexpensive; Large selection of vendors and service providers	Utility must rent the infrastructure from a cellular carrier for a monthly access fee; Utility does not own infrastructure; Technology is in the transition phase to LTE deployment; Public cellular networks not sufficiently stable/secure for mission critical/utility applications; Not well-suited for large data/high bandwidth applications	AMI Backhaul, Field Area Network (FAN)

LTE Enhancements to 3G Universal Mobile Telecommunications System (UMTS) mobile networking, providing for enhanced multimedia services	Low latency, high capacity; Fully integrated with 3GGP, compatible with earlier 3GPP releases; Full mobility for enhanced multimedia services; Carrier preferred protocol; Low power consumption	Utility must rent the infrastructure from a cellular carrier for a monthly access fee; Utility does not own infrastructure; Not readily available in many markets/still in testing phases in others; Equipment cost high; Vendor differentiation still unclear; Lack of expertise in designing LTE networks; Utilities' access to spectrum	AMI Backhaul, SCADA Backhaul, Demand Response, FAN, Video Surveillance
WiMAX (IEEE 802.16) Wireless metropolitan area network (MAN) providing high-speed fixed/mobile Internet access	Efficient backhaul of data – aggregating 100's access points; QoS supports service assurance; Battery-backup improves reliability and security; Simple, scalable network rollout and customer-premises equipment (CPE) attachment; Faster speeds than 3G cellular; Large variety of CPE and gateway/ base station designs	Limited access to spectrum licenses in the US; Trade off between higher bit rates over longer distances; Asymmetrical up and down link speeds; User shared bandwidth; Competing against future 4G cellular	AMI Backhaul, SCADA Backhaul, Demand Response, FAN, Video Surveillance

15a. Write a note on broadband over power line and cyber security in smart grid.

Broadband over power lines (BPL) is a method of power-line communication (PLC) that allows relatively high-speed digital data transmission over the public electric power distribution wiring. BPL uses higher frequencies, a wider frequency range and different technologies compared to other forms of power-line communications to provide high-rate communication over longer distances. BPL uses frequencies that are part of the radio spectrum allocated to over-the-air communication services; therefore, the prevention of interference to, and from, these services is a very important factor in designing BPL systems.

Cyber security in smart grid

Cyber security in the smart grid is essential since the embedded and general-purpose systems connected to it must be secured and protected from cyber-attacks. Utilities must guarantee that cyber security in the smart grid is in place to preserve the enormous information flow and control signals essential to the smart grid to reap the operational benefits derived from its implementation.
Since smart grids are a crucial national infrastructure, cyber security in smart grids should handle all possible threats from user errors and equipment failures.

Take steps to ensure business continuity with comprehensive grid cyber security. At its core is a risk mitigation approach that strengthens cyber security from the sensor level to the application level, and includes your people, processes, and organization.

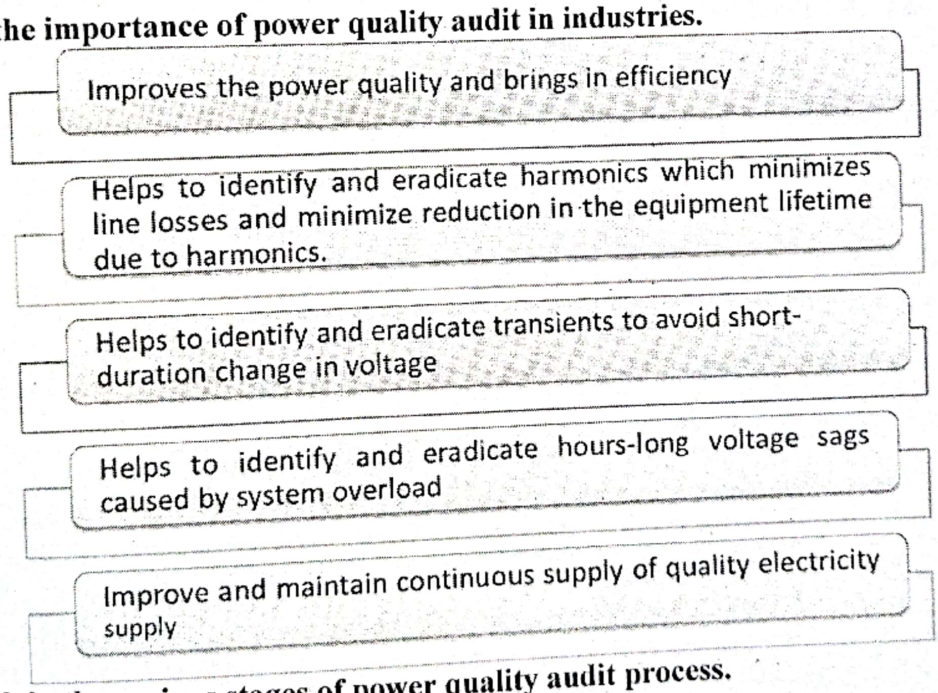
15b. Explain the concept of Wide Area Network (WAN) in terms of smart grid applications.

- A WAN is a network that exists over a large-scale geographical area.

- A WAN connects multiple distribution systems together and acts as a bridge between NANs and HANs and the utility network.
- A WAN connects different smaller networks such as LANs and MANs.
- WAN implementation can be done either with the help of the public transmission system or a private network.
- WAN provides a backhaul for connecting the utility company to the customer premises.
- A backhaul can adopt a variety of technologies (e.g., Ethernet, cellular network, or broadband access) to transfer the information extracted from the NAN to the utility local offices.
- A WAN gateway can use broadband connection (e.g., satellite) or possibly an IP-based network (e.g., MPLS and DNP3) to provide an access for the utility offices to collect the required data.
- Since information privacy and reliability are the major concerns for the customer, security and fault tolerance of these communication technologies are crucial issues.

PART-C

16a. (i) Infer the importance of power quality audit in industries.

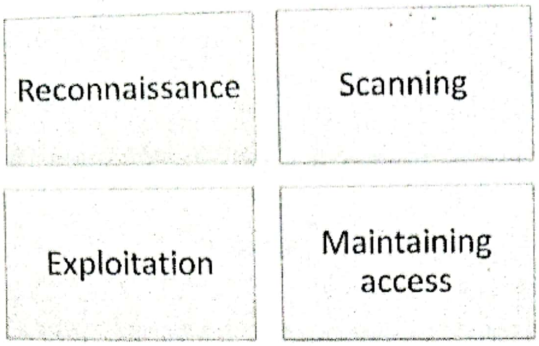


16a. (ii) Explain the various stages of power quality audit process.

The quality audit process

- Determining the scope of the audit
- Planning and preparation
- Audit execution
- Reporting
- Corrective action

16b. Outline the steps involved in the Smart Grid Attacks in detail.



Reconnaissance

- Social Engineering: social and psychological skills to extract information from customer.
- Traffic Analysis: location of key nodes, including IP addresses, the routing structure, and even application behaviour patterns.
- Passive attack – Confidentiality of information

Scanning

- Discover the active devices and hosts in the network.
- IP scan attack: to identify all the hosts connected to the network along with their IP addresses.
- Port scan: Which port is open. Weak point to attack and break into the system.
- Service scan: the service or system running behind each opened port (automation control or PMU reading)
- Vulnerability scan: identifies the weaknesses and vulnerabilities related to each service.
- This attack too compromises confidentiality

Exploitation: malicious activities that attempt to exploit the SG component's vulnerabilities and get control over it.

- **Virus:** Program used to infect a specific device / system
- **Worm:** Self-replicating program Ex: Stuxnet, Flame
- **Time synchronization attack (TSA):** mainly targets timing information in SG. These attacks compromise CIA.
- **Jamming channel attack:** Sends a random or continuous flow of packets in order to keep the channel busy.
- **Masquerade attack:** Malicious person pretends to be a legitimate user in order to gain access to a system.
- **Eavesdropping attack:** To steal personal information, such as login credentials, passwords, etc.

Maintaining Access

- The attacker uses a special type of attack to gain permanent access to the target, especially backdoors, viruses, and Trojan horses.
- A backdoor is an undetectable program, stealthy installed on the target to get back later easily and quickly.
- If the attacker succeeds in embedding a backdoor into the servers of the SCADA, then he/she can launch several attacks leading to a blackout.

11/5/2023
Signature of the faculty member

11/05/23
HoD – EEE

Reg. No.

RAMCO INSTITUTE OF TECHNOLOGY
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
INTERNAL ASSESSMENT TEST- III
EE8019 SMART GRID

Semester and Branch: VIII Semester B.E. EEE **Date: 09.05.2023**
Max. Marks: 100 **Time: 3 hours**

PART-A Answer ALL Questions (10×2=10 Marks)

1. What is power quality management? [CO4, L1]
2. How power quality can be monitored? [CO4, L1]
3. State the need for power quality audit. [CO4, L1]
4. Define total demand distortion. [CO4, L1]
5. What are role of a power quality conditioner? [CO4, L1]
6. Define Home Area Network. [CO5, L1]
7. What is the basic principle of Broadband over power line? [CO5, L1]
8. Why cloud computing is used in smart grid? [CO5, L1]
9. Mention the smart grid security objectives. [CO5, L1]
10. Mention the security issues in the Smart Grid. [CO5, L1]

PART-B Answer ALL Questions (5×13 =65 Marks)

11a. Discuss in detail about web based power quality monitoring in smart grid.
[CO4, L3, PI: 1.3.1] (13 Marks)

OR

11b. Explain the power quality issues of grid connected renewable energy sources.
[CO4, L3, PI: 1.3.1] (13 Marks)

12a. (i) Interpret the power quality standards in smart grid. [CO4, L3, PI: 1.3.1] (6 Marks)
12a. (ii) List the selection criteria for power quality monitoring. [CO4, L3, PI: 1.3.1] (7 Marks)

OR

12b. Describe the significance of electromagnetic compatibility in power system with smart grid.
[CO4, L3, PI: 1.3.1] (13 Marks)

13a. (i) Outline the dependency of loads on harmonics. [CO4, L3, PI: 1.3.1] (7 Marks)
13a. (ii) Describe in detail about the cloud computing enhancers for the smart grid.
[CO5, L3, PI: 1.3.1] (6 Marks)

OR

13b. (i) Discuss the various power quality indices. [CO4, L3, PI: 1.3.1] (6 Marks)
13b. (ii) Explain about the objectives of the cyber-security in smart grid.
[CO5, L3, PI: 1.3.1] (7 Marks)

14a. Explain the system integrity and network integrity in security functions.
[CO5, L3, PI: 1.3.1] (13 Marks)

14b. Tabulate the features of various wireless communication technologies used in Smart Grid.
[CO5, L3, PI: 1.3.1] (13 Marks)

15a. Write a note on broadband over power line and cyber security in smart grid.
[CO5, L3, PI: 1.3.1] (13 Marks)

OR

15b. Explain the concept of Wide Area Network (WAN) in terms of smart grid applications.
[CO5, L2, PI: 1.3.1] (13 Marks)

Reg. No.												

PART-C Answer ALL Questions ((1×15) =15 Marks)

16a. (i) Infer the importance of power quality audit in industries. [CO4, L3, PI: 1.3.1] (5 Marks)

16b. (ii) Explain the various stages of power quality audit process. [CO4, L3, PI: 1.3.1] (10 Marks)

OR

16b. Outline the steps involved in the Smart Grid Attacks in detail. [CO5, L3, PI: 1.3.1] (15 Marks)

CO4: After completion of the course, it is expected that the students will be able to suggest the solutions to various power quality issues arising due to renewable energy power inputs into the grid..
CO5: After completion of the course, it is expected that the students will be able to evaluate the performance of the communication network in Smart Grid Systems.
L1: Remember; L2: Understand; L3: Apply

*****

CO4

RAMCO INSTITUTE OF TECHNOLOGY

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Accredited by NAAC & An ISO 9001: 2015 Certified Institution
NBA Accredited UG Programs: CSE, EEE, ECE and MECH

IAT3 - 2022-2023/EVEN FOURTH YEAR-EEE
EE8019-Smart Grid

-1 indicates Absent

S.No.	Register No.	Name	Marks
1	953619105002	ANANTHARAJ V	57
2	953619105004	ARJUNA RAJA V	54
3	953619105005	ARUNKUMAR A	57
4	953619105007	GURUMOORTHY S	72
5	953619105011	KARNAN A	70
6	953619105015	MAHEEN SHEIK MOHIDEEN S	83
7	953619105014	RUSHI ANDHUL E	61
8	953619105020	SARNU RA	37
9	953619105021	SHARMA KUMAR S	61
10	953619105022	SUNIL KUMAR J W	43
11	953619105302	KAMALAN K	41
12	953619105303	KALIBAJ K	91

No. of Students appeared (r)	12	No. of Students absent (a)	0
No. of Students Scored < 60 marks (w) / Percentage (w/r)*100			6 / 50%
No. of Students Passed (scored marks ≥ 60 out of 100) (x) / Percentage (x/r)*100			6 / 50%
No. of Students Scored marks < 60 and < 50 out of 100 (y)			3
No. of Students Scored ≥ 50 marks (z) / Percentage (z/r)*100			9 / 75%
No. of Students failed (scored marks < 50 out of 100) / Percentage			3 / 25%
Lowest Marks: 37	Average Marks: 60.42	Highest Marks: 91	
Attainment Level*		CO4	0
Attainment Level*		CO5	0
Attainment Level*		Test Attainment: 0	
Facilitation Value#		$(M_U + M_L)/((N_U + N_L)/X)$	0.61

Number of Students Scored Marks in Various Ranges:
<50: 3; 50-60: 3; 61-70: 3; 71-80: 1; 81-90: 1; 91-100: 1

*Attainment Level 1 : 60 % Students Scoring More than 60% of Marks,
Attainment Level 2 : 70 % Students Scoring More than 60% of Marks;
Attainment Level 3 : 80 % Students Scoring More than 60% of Marks

M_U = Total marks obtained by upper group of the students
M_L = Total marks obtained by lower group of the students
N_U = Top 30% scorers of entire class
N_L = Bottom 30% scorers of entire class
X = Max. Marks

Department of Electrical and Electronics Engineering

Academic Year 2022 - 2023 (Even Semester)

Degree, Semester & Branch: VIII Semester B.E. EEE

Course Code & Title: EE8019 Smart Grid

Name of the Faculty member (s): Mr. E. Thangam

Innovative Practice Description

- **Unit / Topic:** Unit II / Plugin Hybrid Electric Vehicles (PHEV)
- **Course Outcome:** CO 2
- **Topic Learning Outcome:** TLO - 9
- **Activity Chosen:** Visible Quiz
- **Justification:**

The PHEV topic is very generic, but the students usually confuse the operation of PHEV. If they understand the difference between PHEV and Electric Vehicle (EV), they will be able to remember all the concepts in PHEV. Otherwise, they will confuse the PHEV operations. Hence, I decided to conduct an activity visible quiz. In this activity, the students in a group discuss themselves to choose relevant vehicle for the given situation and vice versa. This visible quiz activity helps them to distinguish the PHEV.

- **Time Allotted for the Activity:** 10 minutes
- **Details of the Implementation:**

I have prepared eight sets of Multiple Choice Questions (MCQ) for the PHEV PPT slides. A set of large unique cards printed with A, B, C, and D was prepared. During my lecture hour, I have classified students into 6 teams of 10 students each, and then I gave a set of unique printed cards to each student's team. I have shown the MCQ on the classroom projector, and then I asked all the student teams to discuss and choose the relevant vehicle for the given situation shown in the MCQ. Based on the discussion and their answers to all the MCQ, the student team representative has shown the relevant cards for their selection. If time permits, I will call on groups to explain the rationale for their selection. I also gave them a mini-lecture on inappropriate responses. This immediate feedback helps me identify the learning level of the students.

Total Strength is 12,

Photographer: one student - Mr. Arjuna Raja (interested in photography)

Reporter: Myself

- CO – PO / PSO mapping:

CO	PO 1	PO 2	PO 5	PO 10	PO12	PSO 1
CO1	3	2	1	2	2	2

(1 – Low 2 – Moderate 3 – High)

- PO / PSO mapped:

Innovative practice	PO10
	2
Justification for correlation	During the activity, the students were allowed to communicate with teammates; hence it is moderately correlated as 2.

Reflective Critique:

(i) Feedback by the students:

The students enjoyed the quiz. They told they have been given the chance of remembering the concepts in the same class itself.

(ii) Benefit of the practice:

The students are getting the feel of being involved in the learning process inside the class. Since the quiz is not included in the calculation of the internal marks, the students answered the quiz without any test fear. Hence, they participated freely. I can get the student attention after the activity.

(iii) Challenges faced in implementation:

Few students have not much interest in attending the quiz sincerely, since the quiz is ungraded. Managing those students and making them do the quiz is a difficult task for me in this activity.

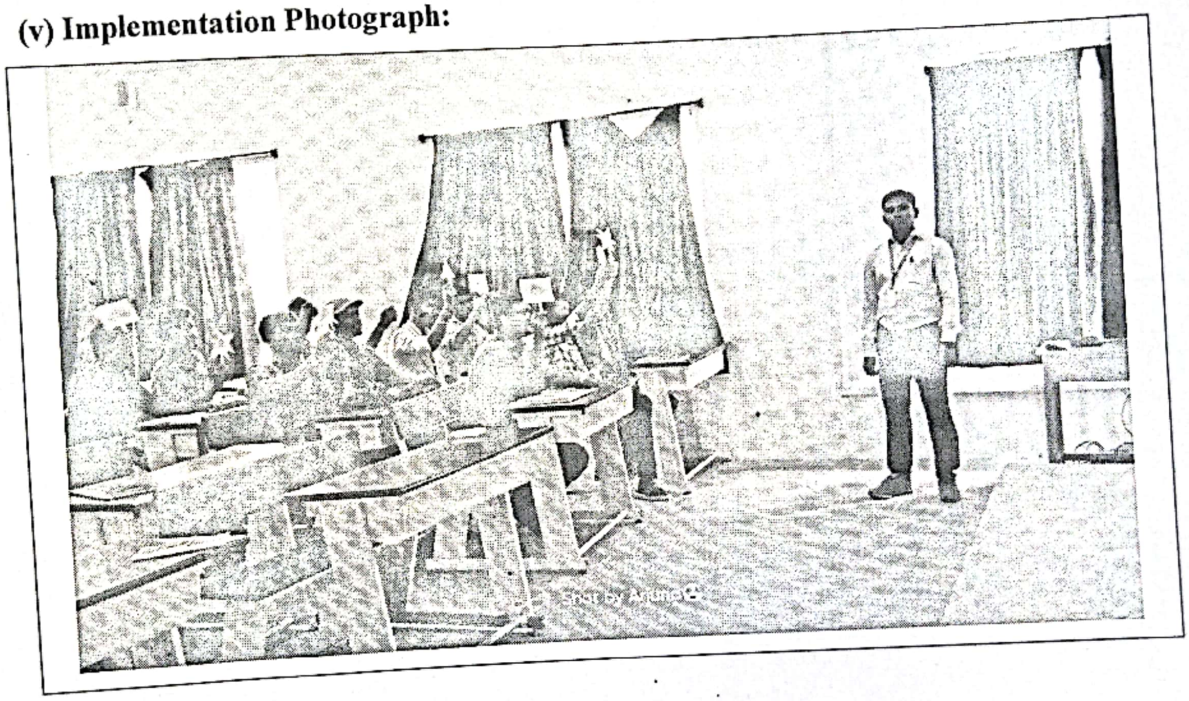
(iv) Success rate of the activity:

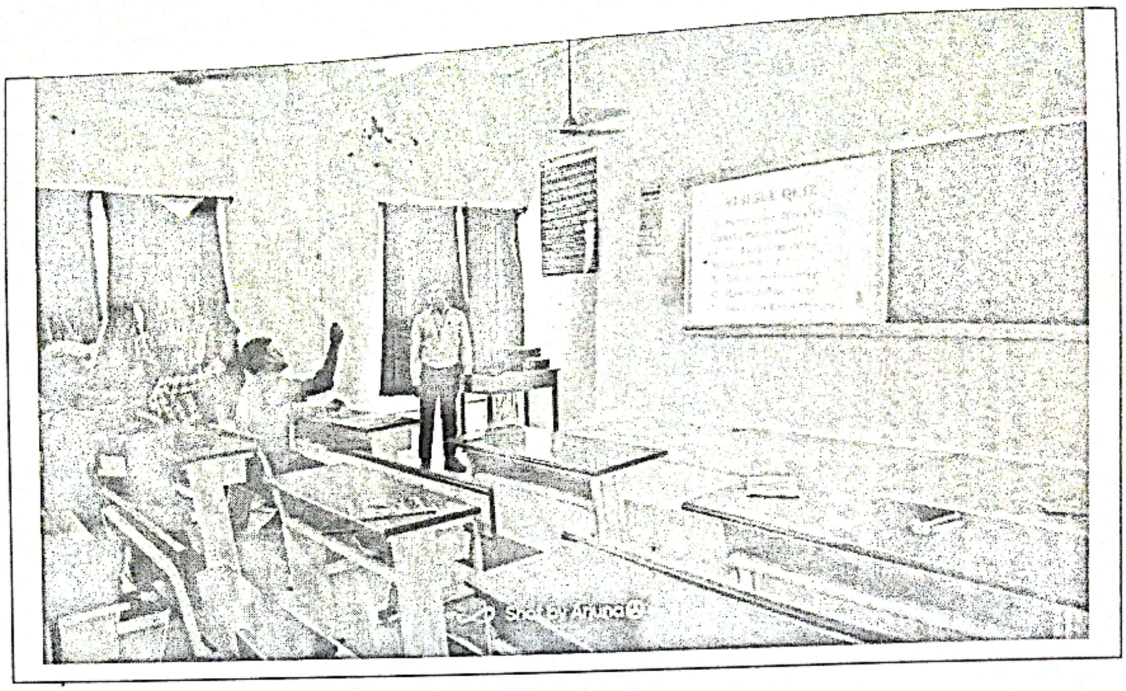
By using this 1-10 scale, I evaluated the success of this activity. Out of the 6 teams, team number 4 was able to answer 6 questions correctly, team number 3 answered 2 questions correctly, the team number 1 answered 1 question correctly. From this, I

thought to conduct one more online quiz test for all the students to assess their individual performance.

Team Number	No. of Quizzes answered
Team -1	1 Question answered correctly
Team -2	-
Team -3	2 Questions answered correctly
Team-4	6 Questions answered correctly
Team-5	1 Question answered correctly
Team-6	-

(v) Implementation Photograph:





References:

- A. Shunmugalatha, B. Ashok Kumar, S. Senthilrani, T. Chandrasekar, J. Rajeswari, "Smart Grid", March 2021
- Joeri Van Mierlo, "Plug-in Hybrid Electric Vehicle (PHEV)", Mdpi AG, 2019

24/4/23

Signature of Faculty Member

S.KC 24/04/23

HOD

Department of Electrical and Electronics Engineering

Academic Year 2022 - 2023 (Odd Semester)

Degree, Semester & Branch: VIII Semester B.E. EEE

Course Code & Title: EE8019 Smart Grid

Name of the Faculty member (s): Mr. E. Thangam

Innovative Practice Description

- **Unit / Topic:** Unit III / Phasor Measurement Unit (PMU).
- **Course Outcome:** CO 3
- **Topic Learning Outcome:** TLO – 12
- **Activity Chosen:** Think-Pair-Share
- **Justification:**

As electrical engineering students, they must be able to role of PMU in smart grid. This think-pair-share can help them to recall and analyze the process involved in the PMU. The knowledge about this topic is required them to understand further topics in the field of electrical engineering, so because of this activity, peer learning occurs; hence, the students will never forget this important concept forever.

- **Time Allotted for the Activity:** 7 Minutes (Think – 2 Min, Pair – 3 Min, Share – 2 Min)
- **Details of the Implementation:**

After teaching the topic of Smart Meter, I have posed a question to all the students: "What is the role of measurement unit in smart grid?" Before starting the activity, I have discussed the different case study, so this increases the curiosity among the students to learn more about this topic. Then I gave them a minimum of 2 minutes for thinking. I encouraged them to write the responses in a paper. Afterward, I have allowed the students to form a pair and share their responses for 3 minutes. During the time of sharing responses, I keep a round at the class to watch the students' pair discussion. Next, I asked one or two individual students to share the consolidated responses with the entire class for 2 minutes. Finally, I gave a brief summary of the topic using PPT slides.

Total Strength is 12,

Photographer: one student - Mr. Arjuna Raja (interested in photography)

Reporter: Myself

- **CO – PO / PSO mapping:**

CO	PO 1	PO 2	PO 5	PO 10	PO12	PSO 1
CO1	3	2	1	2	2	2

(1 – Low 2 – Moderate 3 – High)

- **PO / PSO mapped:**

Innovative practice	**PO 12**
	2
Justification for correlation	During the activity, the students understood the importance of PMU in smart grid environment. It motivates them to explore more in the future, hence it is moderately correlated as 2.

Reflective Critique:

(i) Feedback by the students:

Most of the pair of students utilized this activity well, and a few students replied that 7 minutes is not enough for this activity. They requested to give more than 5 minutes for think, and 10 minutes for pair and share. But the majority of the team has satisfied with this activity.

(ii) Benefit of the practice:

The team of students has understood the concepts clearly and it has been evident from the points they have written on the paper during the discussion.

The one team of students presented the points to the class; it cleared any ambiguity in understanding the important points in the chosen topic.

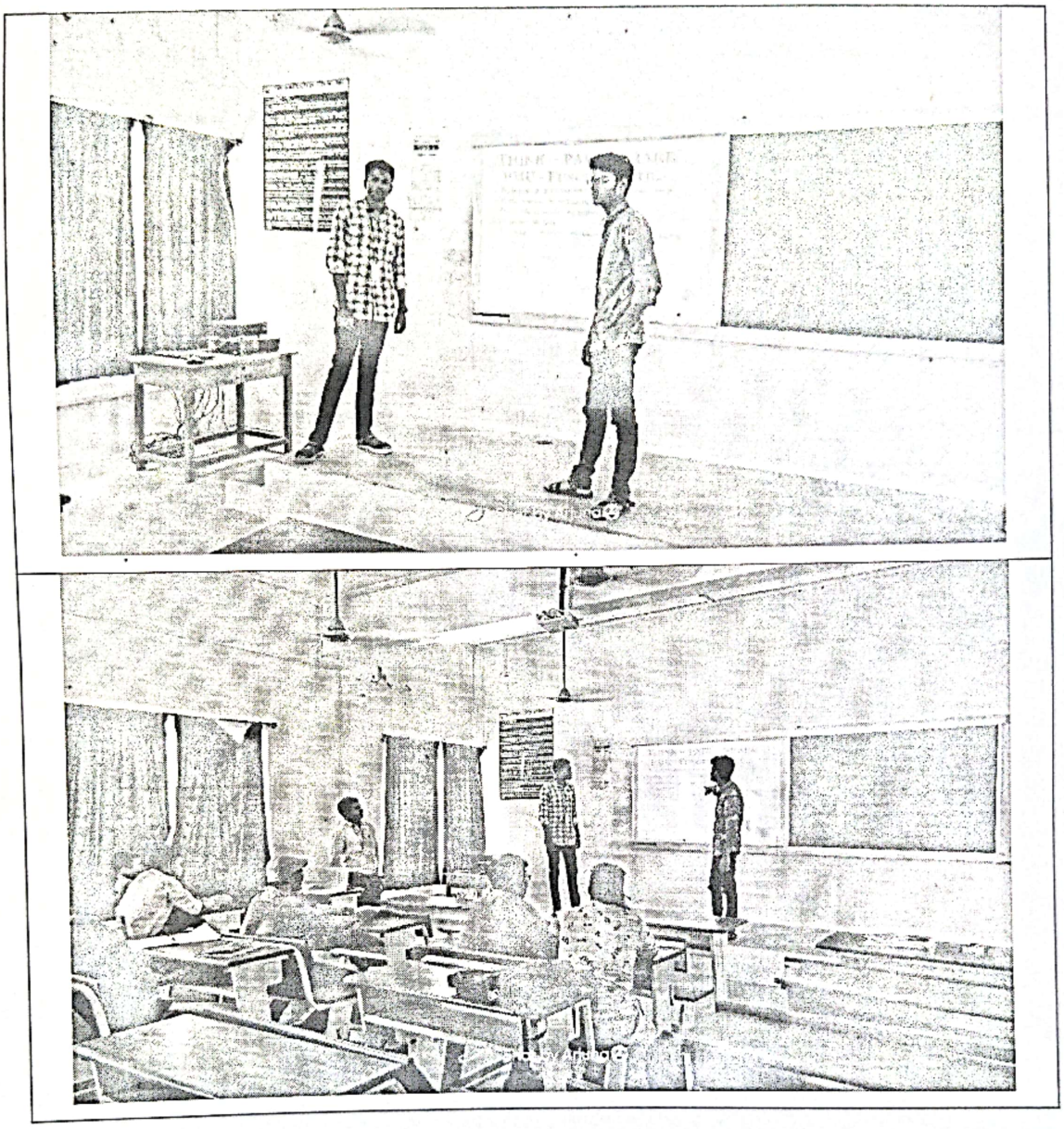
(iii) Challenges faced in implementation:

Some of the team has one low-performing student and one high-performing student, which creates the least discussion in that team, so managing the non-participating team of students in the class is the challenging one. Mostly the slow learners have not participated in the activity. They have not discussed or written any points on the paper.

(iv) Success rate of the activity:

I have taken one two-mark question from the chosen topic in Internal Assessment Test -1, more than 78% of the students answered the question correctly.

(v) Implementation Photograph:



References:

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24/4/23
Signature of the Faculty

24/04/23
HOD

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Department of Electrical and Electronics Engineering
Academic Year 2022 -2023 (Even Semester)

Degree, Semester & Branch: VIII Semester B.E. EEE

Course Code & Title: EE8019 Smart Grid

Name of the Faculty member (s): Mr.E. Thangam

Innovative Practice Description

- **Unit / Topic:** Unit III / Smart Metering System
- **Course Outcome:** CO 3
- **Topic Learning Outcome:** TLO - 10
- **Activity Chosen:** Demonstration
- **Justification:**

A smart meter tracks the utility energy consumption that occurs on the system or outlet it is attached to. For example, a smart meter connected to a natural gas line tracks the number of therms consumed. The "smart" feature of the meter lets it control the flow of the resource being used, such as natural gas, water or electricity. The meter can also be controlled remotely. After teaching the concept, I thought of conducting this activity for making the students to give the difference between the normal meter and smart meter and as a teacher I can judge the understanding level of the students.

- **Time Allotted for the Activity:** 15 minutes
- **Details of the Implementation:**

After teaching the concept, give students one or two minutes to think about the topic without writing anything.

Total Strength is 12,

Photographer: one student – Mr. Arjuna Raja (interested in photography)

Reporter: Myself

At the end the Class (Last 15 minutes)

- ✓ I asked the students to think about evolution of energy meters.
- ✓ Then I told them to Pair with their neighbours and discuss about the operation of smart meter for another 1 minute.
- ✓ Finally, I shown the various energy meters to each students.

- **CO – PO / PSO mapping:**

CO	PO 1	PO 2	PO 5	PO 10	PO12	PSO 1
CO3	3	2	1	2	2	2

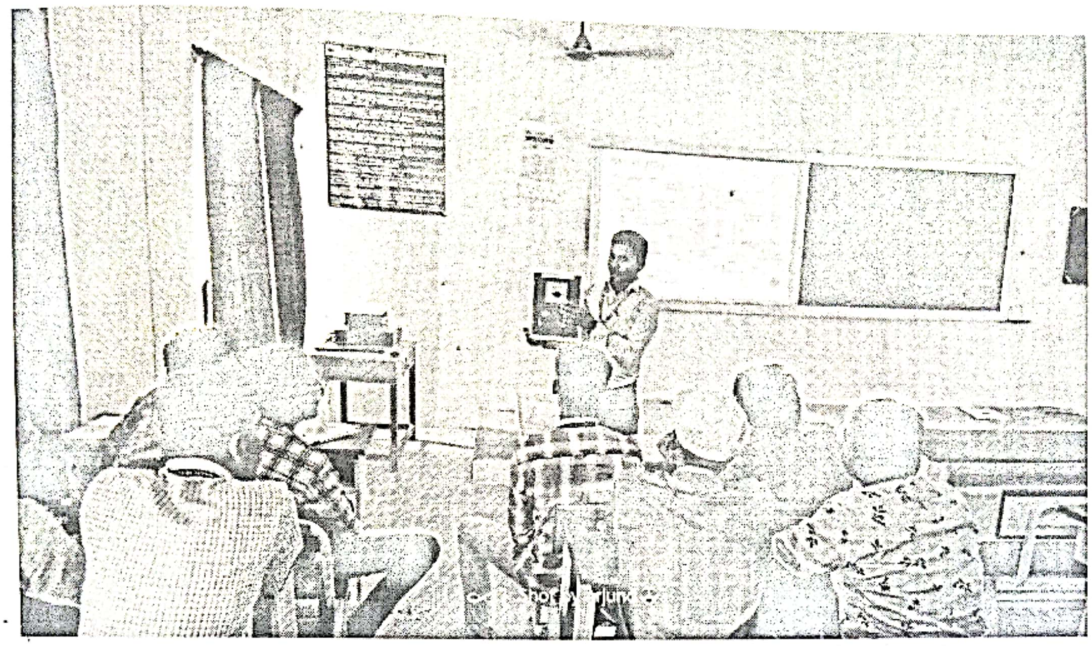
(1 – Low 2 – Moderate 3 – High)

- **PO / PSO mapped:**

Innovative practice	PO 7
	1
Justification for correlation	During this activity, the students understood concept of smart meter and the impact on environment and sustainability. So it is correlated slightly.

- **Images / Screenshot of the practice:**





Reflective Critique:

- ***Feedback of practice from students and other stakeholders:***
  Students told that it is good see all the parts of the meters individually and demonstration helps the students to understand the concepts easily.

- ***Benefit of the practice:***

1. Students can able to understand the impact of engineering solution on society
2. Most of the students attended the question asked Internal Assessment Test – I retest.
3. The success of the activity was evaluated by asking the same question during transformer core construction (Unit – II) – **Around 80% of students answered.**
4. Students can able to explain the concepts in examination without any confusion.

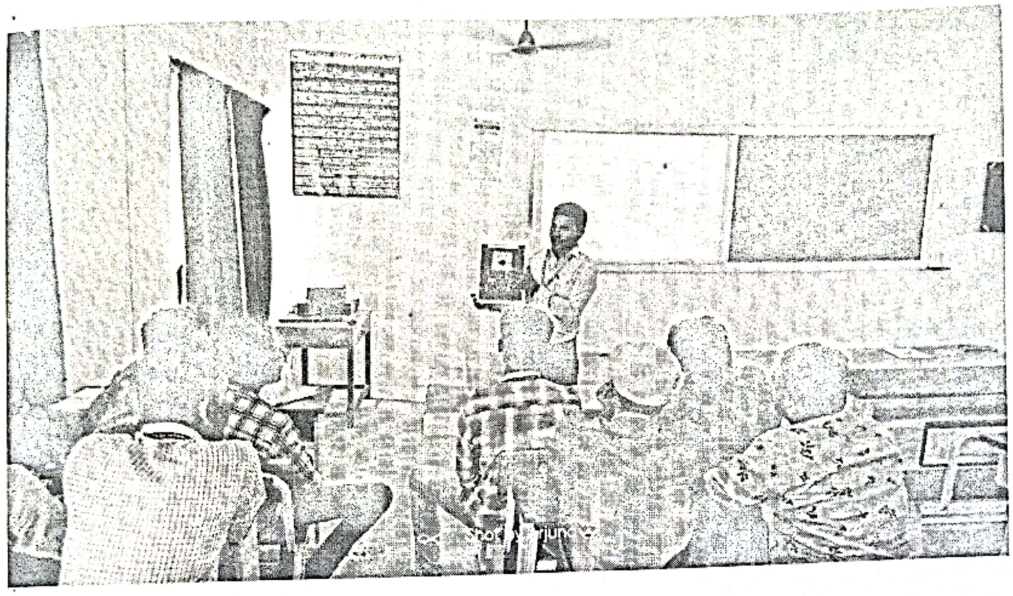
- ***Challenges faced in implementation: Nil***

References:

- A. Shunmugalatha, B. Ashok Kumar, S. Senthilrani, T. Chandrasekar, J. Rajeswari, "Smart Grid", March 2021
- Joeri Van Mierlo, "Plug-in Hybrid Electric Vehicle (PHEV)", Mdpi AG, 2019

24/4/23
Signature of Faculty Member

S.kc 24/04/23
HOD



Reflective Critique:

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- ***Challenges faced in implementation: Nil***

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- Joeri Van Mierlo, "Plug-in Hybrid Electric Vehicle (PHEV)", Mdpi AG, 2019

24/4/23
Signature of Faculty Member

S.kc 24/04/23
HOD

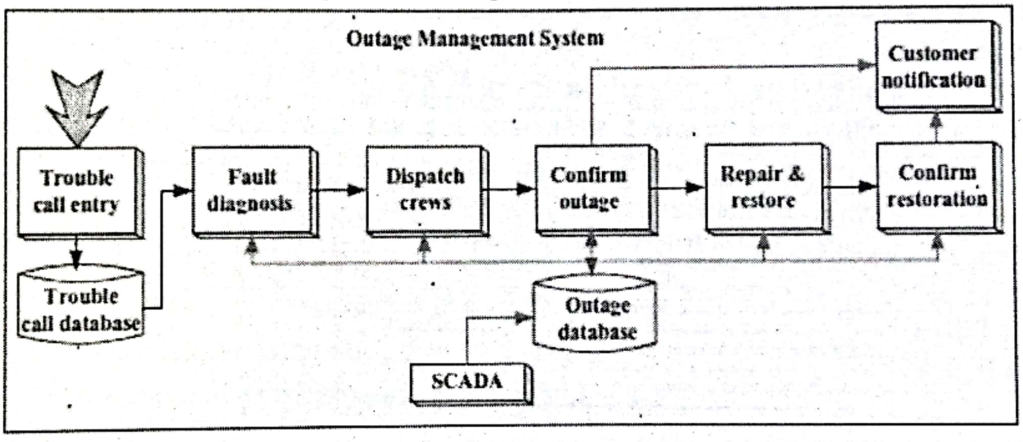
RAMCO INSTITUTE OF TECHNOLOGY
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
INTERNAL ASSESSMENT TEST- II
Scheme of Evaluation and Answer Key
EE8019 SMART GRID
Semester and Branch: VIII Semester B.E. EEE

PART-A

1. Illustrate the merits of PHEV. **(2 Marks)**

- The fuel consumption is reduced from 60% to 30%, reduces fuel consumption.
- Due to the application of battery and charging abilities of PHEV, greenhouse gases produced by the vehicle are minimized.
- Since battery is largely used for the movement of the vehicle, fuel consumption cost is reduced. Even though initial cost of buying is relatively higher, in the long run compared to regular cars PHEV is economical.
- PHEV has several energy generators and motors which are smaller in size and lesser in weight. Therefore this reduces fuel consumption without interfering with the performance of the vehicle.

2. Draw the information flow diagram of outage management system (OMS). **(2 Marks)**



3. Mention the benefits of AMI platform. **(2 Marks)**

The benefits of AMI can be generally categorized as operational, financial, consumer and security.

- Operational benefits - AMI benefits the entire grid by improving the accuracy of meter reads, energy theft detection and response to power outages, while eliminating the need for on-site meter reading.
- Financial benefits - AMI brings financial gains to utility by reducing equipment and maintenance costs, enabling faster restoration of electric service during outages and streamlining the billing process.
- Customer benefits - AMI benefits electric customers by detecting meter failures early, accommodating faster service restoration, and improving the accuracy and flexibility of billing. Further, AMI allows for time-based rate options that can help customers save money and manage their energy consumption.
- Security benefits - AMI technology enables enhanced monitoring of system resources, which mitigates system intrusion and cyber-attacks.

4. State the importance of advanced communication infrastructure in a smart grid. **(2 Marks)**

The advanced communication infrastructures facilitates such theft detection and addressing of fraud with the support of smart meters. The exact consumption can be reported by the time-stamp feature of smart meters. Such features enable increased control on detection of losses and leakages through utility grid. Any abnormal consumption or unauthorized use of electricity can be immediately detected by the network operator. Based on unauthorized detection smart meters can remotely disconnect the consumers from grid.

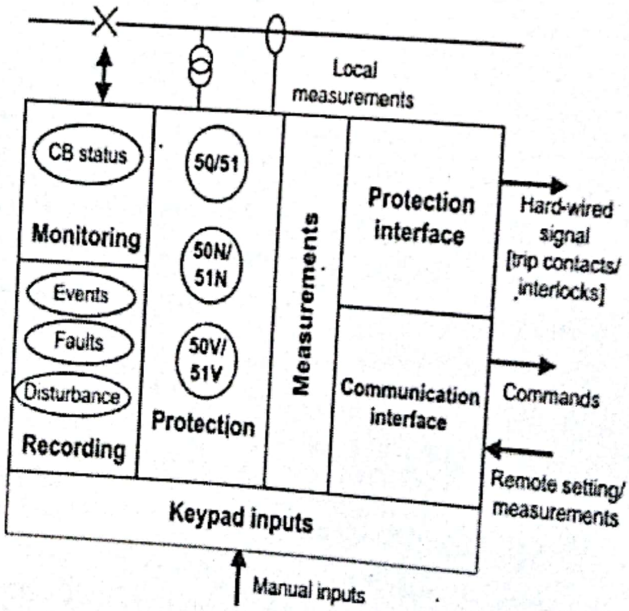
5. List the purpose of Smart meter. **(2 Marks)**

- Power quality measure
- Real time communication of power usage
- Remote programming
- Remote controlling
- Demand based Tariff
- Time of use
- Promotes Distributed generation
- Service switching

PART-B

6a. Discuss with necessary diagram the intelligent electronic devices and their applications for monitoring and protection.

The name Intelligent Electronic Device (IED) describes a range of devices that perform one or more of functions of protection, measurement, fault recording and control. An IED consists of a signal processing unit, a microprocessor with input and output devices, and a communication interface. Modern relay IEDs combine a number of different protection functions with measurement, recording and monitoring. Relay IED, Meter IED & Recording IED



Explanation – (6 Marks)
Diagram – (6 Marks)

6b. Explain Advanced Metering Infrastructure (AMI) drivers and their benefits in detail.

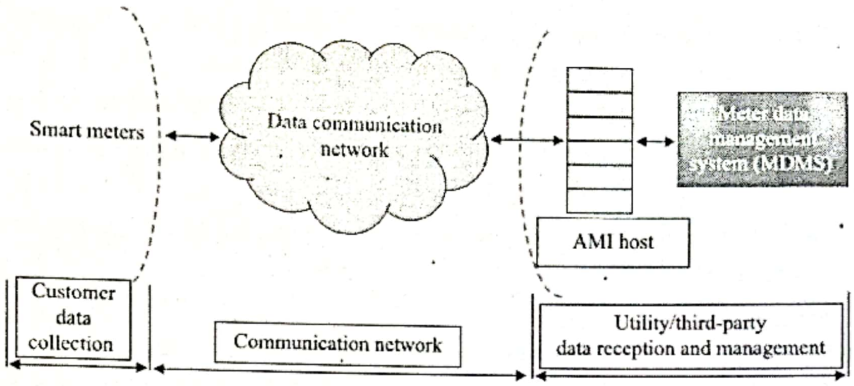


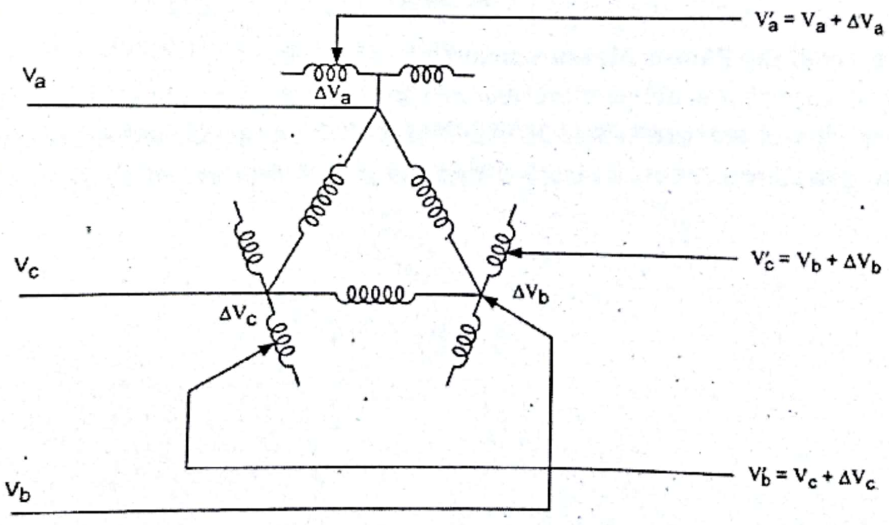
Figure 2.2 The three main components of an AMI system

Benefits:

- It facilitates the supply to consumers with the necessary information they need to make intelligent decisions,
- The ability to execute those decisions and
- A variety of choices leading to substantial benefits they do not enjoy under conventional electrical network environment.
- AMI enables system operators to greatly improve consumer service by refining utility operating and asset management processes based on the data provided by AMI.

7a. (i) How a phase shifting transformer is used to control the real power flow on three phase electricity transmission network.

- The phase-shifter is a special type of tap changing transformer that is mainly used to modify the current and voltage phase angles in a transmission or distribution system.
- Additionally it control power flows and reduce losses in power networks.
- It has two sets of windings: step-up windings and magnetizing windings.
- The current through the magnetizing transformer uses a small voltage on the primary side of the step-up transformer.



7a. (ii) Write the case study of "How high-efficiency distribution transformers contribute to better world".

- A significant increase in energy efficiency of distribution transformers is obtained b minimizing no-load loss (iron or core loss) of the transformer.
- The magnetic core of this transformer is constructed with a ferromagnetic amorphous metal.
- The unique material is an alloy of iron with boron, silicon, and phosphorus combination an having a foil thickness of 25 μm.
- The magnetic susceptibility of these materials is very high and it has very low coercivity an high electrical resistance.

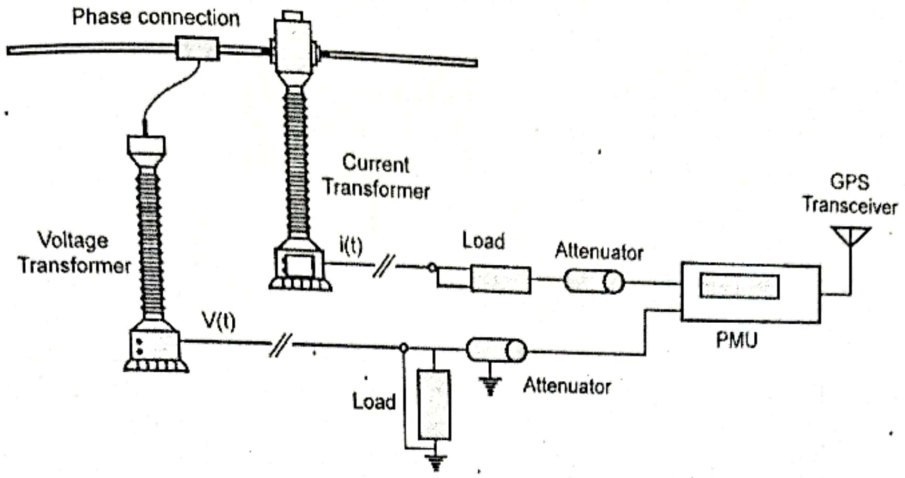
7b. Compare outage management system (OMS) in conventional grid and smart grid.

OMS in Smart Grid	OMS in Conventional Grid
Prediction of location of transformer, fuse, recloser or breaker that opened upon failure.	Manual recloser of fuse and breaker
Prioritizing restoration efforts and managing resources based upon criteria such as locations of emergency facilities, size of outages, and duration of outages.	Prioritizing the outages are not possible
Providing information on extent of outages and number of customers impacted to management, media and regulators.	Information on extent of outages are not appropriate.
Calculation of estimation of restoration times.	Estimation of restoration times are not possible
Management of crews assisting in restoration.	Management of crews assisting in restoration is not appropriate

PART-C

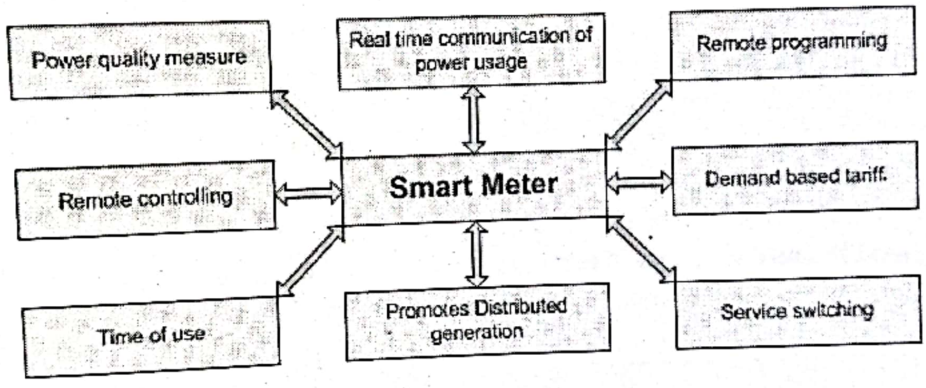
8a. (i) Explain about the Phasor Measurement Units in detail.

The voltage and current transformers are required to attenuate high power input of transmission network. These signals are transmitted to ADC of PMU. The processed measurement data are transmitted using satellite and GPS transceiver that operates as receiver and transmitter.



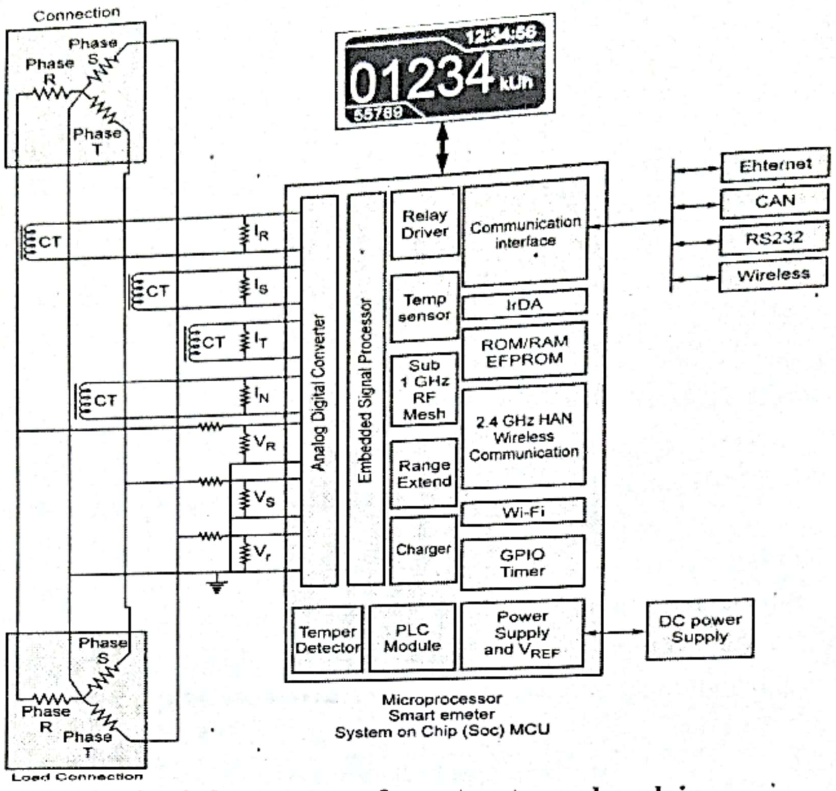
8a. (ii) Discuss the role of utility metering operation in a grid.

The smart meter is expected to work in the following way. Data is collected from nodes, establishes the two- way communication, analyze the data and based on analysis it supports the controlling. The important tasks of smart meter are shown in figure. The data is collected from the individual appliances and is recorded at regular intervals of time. The data collected is stored in the memory and prioritization of the data is done for communicating to utility center. The command signals can be received from the utility center and the smart meter plans for load scheduling and controlling based on consumer choice. Automatic billing can also be done using smart meter.



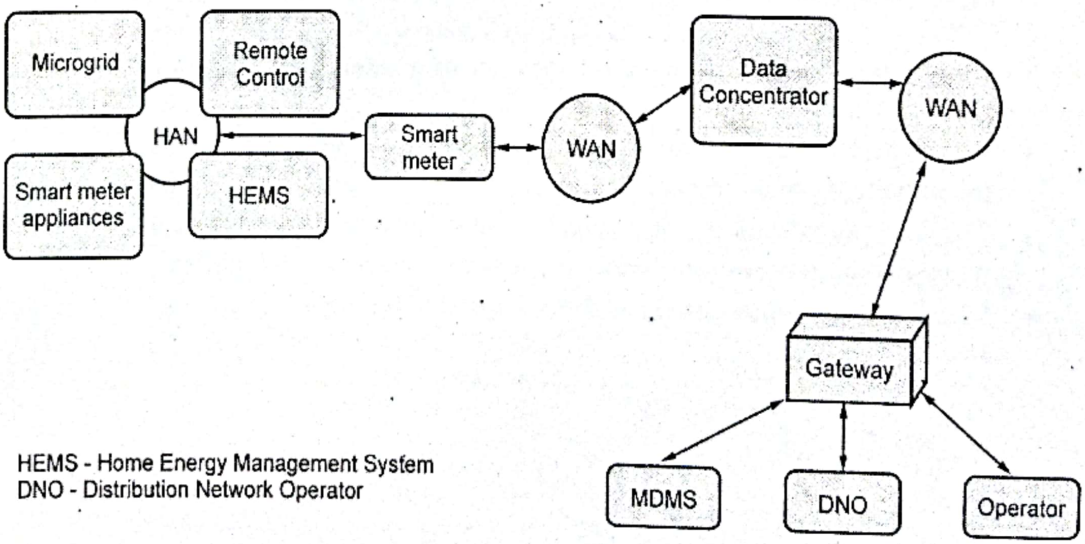
8b. (i) Draw the neat diagram of the hardware of a smart meter and explain in detail about each component present in it.

- Smart metering unit, communication network and data acquisition and management unit are the important components of AMI architecture.
- The components of AMI system are associated with fault detection and localization, protection, isolation, energy efficiency, asset management and remote control.
- Smart sensors, smart meters and AMI systems are highly needed to yield a sophisticated **DMS.**



8b. (ii) Draw the communication infrastructure of smart meter and explain.

- As the data size of residential smart meter is lower than 100 KB / day, data concentrators are required to support the massive data transmission between NAN and WAN connection nodes.
- A WAN is a network which comprises several NANs for exchanging information between smart meters and monitoring center.
- A licensed frequency bands and technologies such as General Packet Radio Service (GPRS) are employed as the communication medium of a WAN.



HEMS - Home Energy Management System
DNO - Distribution Network Operator

20/4/23

Signature of the Faculty member

S.K 20/04/23

HoD – EEE

[S.KANNAN]

RAMCO INSTITUTE OF TECHNOLOGY

Department of Electrical and Electronics Engineering
Academic Year: 2022 - 2023 (Even Semester)

ASSIGNMENT SHEET

Degree, Semester& Branch : **VIII Semester B.E. EEE**
Course Code & Title : **EE8019 Smart Grid**
Name of the Faculty member : **Mr. E. Thangam, AP(SG)/EEE**
Assignment No.: 1

Date: 6/3/23

Questions:

1. Explain in detail the concept of smart grid and its necessity. [CO1, L2]
2. With a neat block diagram explain the relation between outage management system and smart grid technology. [CO2, L2]

CO1: After completion of the course, it is expected that the student will be able to evaluate the functions of the grid components for converting to a smart grid system.
CO2: After completion of the course, it is expected that the student will be able to evaluate the electrical parameters of the grid for its efficient functioning.
L1: Remember; L2: Understand; L3: Apply

6/2/23
Signature of the Faculty member

S.K 06/02/23
HOD

RAMCO INSTITUTE OF TECHNOLOGY

Department of Electrical and Electronics Engineering
Academic Year: 2022 - 2023 (Even Semester)

ASSIGNMENT SHEET

Degree, Semester& Branch : **VIII Semester B.E. EEE**
Course Code & Title : **EE8019 Smart Grid**
Name of the Faculty member : **Mr. E. Thangam, AP(SG)/EEE**
Assignment No.: 2 **Date:** 21/3/2023

Questions:

1. Explain Advanced Metering Infrastructure (AMI) drivers and its need in smart grid. [CO3, L3]
2. Explain how Smart Meters can play an important role in making a system smart. [CO3, L3]

CO3: After completion of the course, it is expected that the student will be able to evaluate the performance of the various types of smart meters for their effective functioning.
L1: Remember; L2: Understand; L3: Apply

6/2/23
Signature of the Faculty member

S.kc 06/02/23
HOD

RAMCO INSTITUTE OF TECHNOLOGY

Department of Electrical and Electronics Engineering
Academic Year: 2022 - 2023 (Even Semester)

ASSIGNMENT SHEET

Degree, Semester& Branch : **VIII Semester B.E. EEE**
Course Code & Title : **EE8019 Smart Grid**
Name of the Faculty member : **Mr. E. Thangam, AP(SG)/EEE**
Assignment No.: 3 **Date:** 24/3/2023

Questions:

1. Describe the power quality issues of grid connected renewable energy sources. [CO4, L3]
2. Describe the concept, power quality conditioners related to smart grid. [CO4, L3]
3. Explain the importance of cloud computing in smart grids. [CO5, L3]
4. Compare LAN with WAN. [CO5, L2]

CO4: After completion of the course, it is expected that the student will be able to suggest the solutions to various power quality issues arising due to renewable energy power inputs into the grid.
CO5: After completion of the course, it is expected that the student will be able to evaluate the performance of the communication network in Smart Grid Systems.
L1: Remember; L2: Understand; L3: Apply

6/2/23
Signature of the Faculty member

S.K 06/02/23
HOD

User: **THANGAM E**

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IAT1-RETEST - 2022-2023/EVEN FOURTH YEAR-EEE
EE8019-Smart Grid

-1 indicates Absent

S.No.	Register No.	Name	Marks	Retest Marks	Final Marks
			Marks	Marks	Marks
1	953619105002	ANANTHARAJ V	82		82
2	953619105004	ARJUNA RAJA V	68		68
3	953619105005	ARUNKUMAR A	78		78
4	953619105007	GURUMOORTHY S	66		66
5	953619105011	KANNAN A	76		76
6	953619105015	MAHEEN SHEIK MOHIDEEN S	86		86
7	953619105019	RISHI RAGHUL E	68		68
8	953619105020	SEENU RA	-1	62	62
9	953619105021	SHARMA KUMAR S	64		64
10	953619105022	SUNIL RAM D M	61		61
11	953619105302	KABILAN K	60		60
12	953619105303	KALIRAJ R	84		84
No. of Students appeared (n)		12	No. of Students absent (a)		0
No. of Students Scored > 60 marks (w) / Percentage (w/n)*100)			10 / 90.91%	11 / 91.67%	
No. of Students Passed (scored marks ≥ 60 out of 100) (x) / Percentage (x/n)*100			11 / 100%	12 / 100%	
No. of Students Scored marks < 60 and > 50 out of 100 (y)			0	0	
No. of Students Scored ≥ 50 marks (z) / Percentage (z/n)*100			11 / 100%	12 / 100%	
No. of Students failed (scored marks < 50 out of 100) / Percentage			0 / 0%	0 / 0%	
Lowest Marks: 60			Average Marks: 71.25	Highest Marks: 86	
Attainment Level*			CO1	3	
Attainment Level*			CO2	0	
Attainment Level*			Test Attainment	3	
Facilitation Value#			$(M_U + M_L)/((N_U + N_L)/X)$	0.73	

Number of Students Scored Marks in Various Ranges:
<50:0; 50-60: 1; 61-70: 6; 71-80: 2; 81-90: 3; 91-100: 0

*Attainment Level 1 : 60 % Students Scoring More than 60% of Marks;
Attainment Level 2 : 70 % Students Scoring More than 60% of Marks;
Attainment Level 3 : 80 % Students Scoring More than 60% of Marks

M_U = Total marks obtained by upper group of the students
M_L = Total marks obtained by lower group of the students
N_U = Top 30% scorers of entire class
N_L = Bottom 30% scorers of entire class
X = Max. Marks

24/4/23
Signature of Faculty

S.K 24/04/23
HoD

RAMCO INSTITUTE OF TECHNOLOGY

Department of Electrical and Electronics Engineering

Academic Year: 2022 - 2023 (Even Semester)

TUTORIAL SHEET

Degree, Semester& Branch : **VIII Semester B.E EEE**
Course Code & Title : **EE8019 Smart Grid**
Name of the Faculty member : **Mr. E. Thangam, AP(SG)/EEE**
Tutorial No.: 1

Date: 14/2/2023

Questions:

1. Discuss the IEEE and NIST conceptual model of smart grid with relevant diagram. [CO1,L3]

CO1: After completion of the course the students will be able to evaluate the functions of the grid components for converting to a smart grid system.
L1: Remember; L2: Understand; L3: Apply

6/2/23
Signature of the Faculty member

S.K 06/02/2
HOD

RAMCO INSTITUTE OF TECHNOLOGY

Department of Electrical and Electronics Engineering

Academic Year: 2022 - 2023 (Even Semester)

TUTORIAL SHEET

Degree, Semester& Branch : VIII Semester B.E EEE
Course Code & Title : EE8019 Smart Grid
Name of the Faculty member : Mr. E. Thangam, AP(SG) EEE
Tutorial No.: 2

Date: 27/2/2023

Questions:

1. Illustrate energy management systems with neat diagram. [CO2,L3]
2. Draw the block diagram of Plug in Hybrid Electric Vehicles. [CO2,L2]

CO2: After completion of the course, the students will be able to evaluate the electrical parameters of the grid for its efficient functioning
L1: Remember, L2: Understand, L3: Apply

Signature of the Faculty member

HOD

RAMCO INSTITUTE OF TECHNOLOGY

Department of Electrical and Electronics Engineering

Academic Year: 2022 - 2023 (Even Semester)

TUTORIAL SHEET

Degree, Semester& Branch : **VIII Semester B.E EEE**
Course Code & Title : **EE8019 Smart Grid**
Name of the Faculty member : **Mr. E. Thangam, AP(SG)/EEE**
Tutorial No.: 3 **Date:** 13/3/2023

Questions:

1. Draw the smart meter hardware architecture. [CO3,L3]
2. Draw the structure of Advanced Metering Infrastructure. [CO3,L3]

CO3: After completion of the course, the students will be able to evaluate the performance of the various types of smart meters for their effective functioning.
L1: Remember; L2: Understand; L3: Apply

4/3/23
Signature of the Faculty member

S.K 13/03/23
HOD

RAMCO INSTITUTE OF TECHNOLOGY

Department of Electrical and Electronics Engineering

Academic Year: 2022 - 2023 (Even Semester)

TUTORIAL SHEET

Degree, Semester& Branch : VIII Semester B.E EEE
Course Code & Title : EE8019 Smart Grid
Name of the Faculty member : Mr. E. Thangam, AP(SG)/EEE
Tutorial No.: 4 **Date:** 28/3/2023

Questions:

1. List the various renewable energy sources used for smart grid, and draw the various grid connected renewable energy systems. [CO4.L3]

CO4: After completion of the course, the students will be able to suggest the solutions to various power quality issues arising due to renewable energy power inputs into the grid.
L1: Remember; L2: Understand; L3: Apply

6/2/23
Signature of the Faculty member

S.K 06/02/23
HOD

RAMCO INSTITUTE OF TECHNOLOGY

Department of Electrical and Electronics Engineering

Academic Year: 2022 - 2023 (Even Semester)

TUTORIAL SHEET

Degree, Semester& Branch : VIII Semester B.E EEE
Course Code & Title : EE8019 Smart Grid
Name of the Faculty member : Mr. E. Thangam, AP(SG)/EEE
Tutorial No.: 5 **Date:** 18/4/2023

Questions:

1. Discuss the communication requirement for smart grid, and compare the different communication technologies used in the smart grid. [CO5,L3]

CO5: After completion of the course, the students will be able to evaluate the performance of the communication network in Smart Grid Systems.
L1: Remember; L2: Understand; L3: Apply

6/2/23
Signature of the Faculty member

S.K 6/02/23
HOD

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IAT2-RETEST - 2022-2023/EVEN FOURTH YEAR-EEE
EE8019-Smart Grid

-1 indicates Absent

S.No.	Register No.	Name	Marks	Retest Marks	Final Marks
			Marks	Marks	Marks
1	953619105002	ANANTHARAJ V	24		24
2	953619105004	ARJUNA RAJA V	68		68
3	953619105005	ARUNKUMAR A	74		74
4	953619105007	GURUMOORTHY S	66		66
5	953619105011	KANNAN A	60		60
6	953619105015	MAHEEN SHEIK MOHIDEEN S	88		88
7	953619105019	RISHI RAGHUL E	72		72
8	953619105020	SEENU RA	-1	70	70
9	953619105021	SHARMA KUMAR S	82		82
10	953619105022	SUNIL RAM D M	78		78
11	953619105302	KABILAN K	62		62
12	953619105303	KALIRAJ R	90		90
No. of Students appeared (n)		12	No. of Students absent (a)		0
No. of Students Scored > 60 marks (w) / Percentage (w/n)*100			9 / 81.82%		10 / 83.33%
No. of Students Passed (scored marks ≥ 60 out of 100) (x) / Percentage (x/n)*100			10 / 90.91%		11 / 91.67%
No. of Students Scored marks < 60 and > 50 out of 100 (y)			0		0
No. of Students Scored ≥ 50 marks (z) / Percentage (z/n)*100			10 / 90.91%		11 / 91.67%
No. of Students failed (scored marks < 50 out of 100) / Percentage			1 / 9.09%		1 / 8.33%
Lowest Marks: 24			Average Marks: 69.5		Highest Marks: 90
Attainment Level*			CO2		3
Attainment Level*			CO3		2
Attainment Level*			Test Attainment		3
Facilitation Value#			$(M_U + M_L)/((N_U + N_L)/X)$		0.68

Number of Students Scored Marks in Various Ranges:
<50:1; 50-60: 1; 61-70: 4; 71-80: 3; 81-90: 3; 91-100: 0

*Attainment Level 1 : 60 % Students Scoring More than 60% of Marks;
Attainment Level 2 : 70 % Students Scoring More than 60% of Marks;
Attainment Level 3 : 80 % Students Scoring More than 60% of Marks

M_U = Total marks obtained by upper group of the students
M_L = Total marks obtained by lower group of the students
N_U = Top 30% scorers of entire class
N_L = Bottom 30% scorers of entire class
X = Max. Marks

24/4/23
Signature of Faculty

24/04/23
HoD

Reg. No.												

RAMCO INSTITUTE OF TECHNOLOGY
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
INTERNAL ASSESSMENT TEST- II
EE8019 - SMART GRID

Semester and Branch: VIII Semester B.E. EEE **Date: 19.04.2023**
Max. Marks: 50 **Time: 90 min.**

PART-A Answer ALL Questions (5×2=10 Marks)

1. Illustrate the merits of PHEV. [CO2, L1]
2. Draw the information flow diagram of outage management system (OMS). [CO2, L2]
3. Mention the benefits of AMI platform. [CO3, L1]
4. State the importance of advanced communication infrastructure in a smart grid. [CO3, L1]
5. List the purpose of Smart meter. [CO3, L1]

PART-B Answer ALL Questions ((1×12) + (1×13) =25 Marks)

6a. Discuss with necessary diagram the intelligent electronic devices and their applications for monitoring and protection. [CO3, L3, PI: 1.3.1] (12 Marks)

OR

6b. Explain Advanced Metering Infrastructure (AMI) drivers and their benefits in detail. [CO3, L2, PI: 1.3.1] (12 Marks)

7a. (i) How a phase shifting transformer is used to control the real power flow on three phase electricity transmission network. [CO2, L2, PI: 1.3.1] (6 Marks)

7a. (ii) Write the case study of "How high-efficiency distribution transformers contribute to a better world". [CO2, L2, PI: 1.3.1] (7 Marks)

OR

7b. Compare outage management system (OMS) in conventional grid and smart grid. [CO2, L2, PI: 1.3.1] (13 Marks)

PART-C Answer ALL Questions ((1×15) =15 Marks)

8a. (i) Explain about the Phasor Measurement Units in detail. [CO3, L3, PI: 1.3.1] (8 Marks)

8a. (ii) Discuss the role of utility metering operation in a grid. [CO3, L2, PI: 1.3.1] (7 Marks)

OR

8b. (i) Draw the neat diagram of the hardware of a smart meter and explain in detail about each component present in it. [CO3, L2, PI: 1.3.1] (10 Marks)

8b. (ii) Draw the communication infrastructure of smart meter and explain. [CO3, L2, PI: 1.3.1] (5 Marks)

CO2: After completion of the course, the students will be able to evaluate the electrical parameters of the grid for its efficient functioning.
CO3: After completion of the course, the students will be able to evaluate the performance of the various types of smart meters for their effective functioning.
L1: Remember; L2: Understand; L3: Apply

*****

User: THANGAM E

logout ROLE

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HOME SURVEY FORMS COURSE SUPPORTS STUDENTS MARKS EVENTS EMPLOYEE ECO ACCOUNT

IAT2 - 2022-2023/EVEN FOURTH YEAR-EEE
EE8019-Smart Grid

-1 indicates Absent

S.No.	Register No.	Name	Marks
1	953619105002	ANANTHARAJ V	24
2	953619105004	ARJUNA RAJA V	68
3	953619105005	ARUNKUMAR A	74
4	953619105007	GURUMOORTHY S	66
5	953619105011	KANNAN A	60
6	953619105015	MAHEEN SHEIK MOHIDEEN S	88
7	953619105019	RISHI RAGHUL E	72
8	953619105020	SEENU RA	-1
9	953619105021	SHARMA KUMAR S	82
10	953619105022	SUNIL RAM D M	78
11	953619105302	KABILAN K	62
12	953619105303	KALIRAJ R	90

No. of Students appeared (n)	11	No. of Students absent (a)	1
No. of Students Scored > 60 marks (w) / Percentage (w/n)*100)			9 / 81.82%
No. of Students Passed (scored marks ≥ 60 out of 100) (x) / Percentage (x/n)*100			10 / 90.91%
No. of Students Scored marks < 60 and > 50 out of 100 (y)			0
No. of Students Scored ≥ 50 marks (z) / Percentage (z/n)*100			10 / 90.91%
No. of Students failed (scored marks < 50 out of 100) / Percentage			1 / 9.09%
Lowest Marks: 24	Average Marks: 69.45	Highest Marks: 90	
Attainment Level*		CO2	3
Attainment Level*		CO3	1
Attainment Level*		Test Attainment: 3	
Facilitation Value*		$(M_U + M_L)/((N_U + N_L)/X)$	0.68

Number of Students Scored Marks in Various Ranges:
<50: 1; 50-60: 1; 61-70: 3; 71-80: 3; 81-90: 3; 91-100: 0

*Attainment Level 1 : 60 % Students Scoring More than 60% of Marks;
Attainment Level 2 : 70 % Students Scoring More than 60% of Marks;
Attainment Level 3 : 80 % Students Scoring More than 60% of Marks

M_U = Total marks obtained by upper group of the students
M_L = Total marks obtained by lower group of the students
N_U = Top 30% scorers of entire class
N_L = Bottom 30% scorers of entire class
X = Max. Marks

20/4/23
Signature of Faculty

S.K 20/04/23
HoD

Reg. No.												

RAMCO INSTITUTE OF TECHNOLOGY
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
INTERNAL ASSESSMENT TEST- I
EE8019 SMART GRID

Semester and Branch: VIII Semester B.E. EEE
Faculty Name: Mr. E. Thangam, AP (SG) – EEE
Max. Marks: 50

Date: 21.03.2023
Time: 90 min

PART-A Answer ALL Questions (5x2=10 Marks)

1. Define electrical grid. [CO1, L1]
2. State the need of improving smart grid awareness. [CO1, L1]
3. List out the benefits of smart grid. [CO1, L1]
4. State the advantages of renewable energy sources. [CO2, L1]
5. Name the technology drivers that build smart grid. [CO2, L1]

PART-B Answer ALL Questions ((1x12) +(1x13) =25 Marks)

6a. Define smart grid. Differentiate between conventional grid and smart grid. [CO1, L3, PI: 1.4.1, 2.1.3] (12 Marks)

OR

6b. List the smart appliances and describe an integration of smart appliances in to grid for home and building automation. [CO1, L3, PI: 1.4.1, 2.1.3] (12 Marks)

7a. Prepare a detailed report on the role played by FACTS technologies in the deployment of smart grid environment. [CO2, L3, PI: 1.4.1, 2.1.3] (13 Marks)

OR

7b. Discuss in detail with neat diagram about the components of transmission systems. [CO2, L3, PI: 1.4.1, 2.1.3] (13 Marks)

PART-C Answer ALL Questions ((1x15) =15 Marks)

8a. (i) Describe the opportunities, challenges and benefits of Smart Grid. [CO1, L3, PI: 1.4.1, 2.1.3] (8 Marks)

8a. (ii) Explain the concept of Resilient and Self-healing grid. [CO1, L3, PI: 1.4.1, 2.1.3] (7 Marks)

OR

8b. (i) Discuss about present development in smart grid considering any one case study. [CO1, L3, PI: 1.4.1, 2.1.3] (8 Marks)

8b. (ii) Describe the National initiatives in smart grid systems. [CO1, L3, PI: 1.4.1, 2.1.3] (7 Marks)

CO1: After completion of the course, the students will be able to evaluate the functions of the grid components for converting to a smart grid system.
CO2: After completion of the course, the students will be able to evaluate the electrical parameters of the grid for its efficient functioning.
L1: Remember; L2: Understand; L3: Apply

*****

2022-2023/EVEN FOURTH YEAR-EEE EE8019-Smart Grid

S.No	Reg. No	Name	Attendance	
1	953619105002	ANANTHARAJ V	15	10
2	953619105004	ARJUNA RAJA V	15	15
3	953619105005	ARUNKUMAR A	15	15
4	953619105007	GURUMOORTHY S	15	12
5	953619105011	KANNAN A	15	13
6	953619105015	MAHEEN SHEIK MOHIDEEN S	15	15
7	953619105019	RISHI RAGHUL E	15	13
8	953619105020	SEENU RA	15	15
9	953619105021	SHARMA KUMAR S	15	13
10	953619105022	SUNIL RAM D M	15	15
11	953619105302	KABILAN K	15	15
12	953619105303	KALIRAJ R	15	15

23/3/23
Signature of Faculty

S.kc 23/03/23
HoD

IAT1 - 2022-2023/EVEN FOURTH YEAR-EEE
EE8019-Smart Grid

-1 indicates Absent

S.No.	Register No.	Name	Marks
1	953619105002	ANANTHARAJ V	92
2	953619105004	ARJUNA RAJA V	68
3	953619105005	ARUNKUMAR A	78
4	953619105007	GURUMOORTHY S	66
5	953619105011	KANNAN A	76
6	953619105015	MAHEEN SHEIK MOHIDEEN S	65
7	953619105019	RISHI RAGHUL E	68
8	953619105020	SEENU RA	-1
9	953619105021	SHARMA KUMAR S	64
10	953619105022	SUNIL RAM D M	61
11	953619105302	KABILAN K	60
12	953619105303	KALIRAJ R	84

No. of Students appeared (r)	11	No. of Students absent (a)	1
No. of Students Scored > 60 marks (w) / Percentage (w/r)*100)			10 / 90.91%
No. of Students Passed (scored marks ≥ 50 out of 100) (x) / Percentage (x/r)*100			11 / 100%
No. of Students Scored marks < 60 and > 50 out of 100 (y)			0
No. of Students Scored ≥ 50 marks (z) / Percentage (z/r)*100			11 / 100%
No. of Students failed (scored marks < 50 out of 100) / Percentage			0 / 0%
Lowest Marks: 60	Average Marks: 72.09	Highest Marks: 86	
Attainment Level*		CO1	3
Attainment Level*		CO2	0
Attainment Level*		Test Attainment: 3	
Facilitation Value#		$(M_U + M_L)/(N_U + N_L)/X)$	0.73

Number of Students Scored Marks in Various Ranges:
<50: 0; 50-60: 1; 61-70: 5; 71-80: 2; 81-90: 3; 91-100: 0

*Attainment Level 1 : 60 % Students Scoring More than 60% of Marks;
Attainment Level 2 : 70 % Students Scoring More than 60% of Marks;
Attainment Level 3 : 80 % Students Scoring More than 60% of Marks

M_U = Total marks obtained by upper group of the students
M_L = Total marks obtained by lower group of the students
N_U = Top 30% scorers of entire class
N_L = Bottom 30% scorers of entire class
X = Max. Marks

23/3/23
Signature of faculty

S.K 22/03/23
HOD

er: THANGAM E

logout ROLE

RAMCO INSTITUTE OF TECHNOLOGY

Approved by AICTE, New Delhi & Affiliated to Anna University
Accredited by NAAC & An ISO 9001: 2015 Certified Institution
NBA Accredited UG Programs: CSE, EEE, ECE and MECH

IAT1 - 2022-2023/EVEN FOURTH YEAR-EEE
EE8019-Smart Grid

-1 indicates Absent

S.No.	Register No.	Name	Marks
1	953619105002	ANANTHARAJ V	82
2	953619105004	ARJUNA RAJA V	68
3	953619105005	ARUNKUMAR A	78
4	953619105007	GURUMOORTHY S	66
5	953619105011	KANNAN A	76
6	953619105015	MAHEEN SHETK MOHIDEEN S	86
7	953619105019	RISHI RAGHUL E	68
8	953619105020	SEENU RA	-1
9	953619105021	SHARMA KUMAR S	64
10	953619105022	SUNIL RAM D M	61
11	953619105302	KABILAN K	60
12	953619105303	KALIRAJ R	84

No. of Students appeared (n)	11	No. of Students absent (a)	1
No. of Students Scored > 60 marks (w) / Percentage (w/n)*100			10 / 90.91%
No. of Students Passed (scored marks ≥ 60 out of 100) (x) / Percentage (x/n)*100			11 / 100%
No. of Students Scored marks < 60 and > 50 out of 100 (y)			0
No. of Students Scored ≥ 50 marks (z) / Percentage (z/n)*100			11 / 100%
No. of Students failed (scored marks < 50 out of 100) / Percentage			0 / 0%
Lowest Marks: 60	Average Marks: 72.09	Highest Marks: 86	
Attainment Level*		CO1	3
Attainment Level*		CO2	0
Attainment Level*		Test Attainment: 3	
Facilitation Value$		$(M_U + M_L)/((N_U + N_L)/X)$	0.73

Number of Students Scored Marks in Various Ranges:
<50: 0; 50-60: 1; 61-70: 5; 71-80: 2; 81-90: 3; 91-100: 0

*Attainment Level 1 : 60 % Students Scoring More than 60% of Marks;
Attainment Level 2 : 70 % Students Scoring More than 60% of Marks;
Attainment Level 3 : 80 % Students Scoring More than 60% of Marks

$ M_U = Total marks obtained by upper group of the students
M_L = Total marks obtained by lower group of the students
N_U = Top 30% scorers of entire class
N_L = Bottom 30% scorers of entire class
X = Max. Marks

Form No. AC 14a Rev.No. 03 Effective Date: 10.02.2018

23/3/23
Signature of faculty

23/03/23
HOD

RAMCO INSTITUTE OF TECHNOLOGY
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
INTERNAL ASSESSMENT TEST- I

Answer Key and Scheme of Evaluation

EE8019 SMART GRID
PART-A Answer ALL Questions (5x2=10 Marks)

1. Define electrical grid. **(2 Marks)**

An electric grid or power grid, is an interconnected network for delivering electricity from producers to consumers. It consists of generating stations that produce electric power.

2. State the need of improving smart grid awareness. **(2 Marks)**

In many developing countries, a major obstruction in deployment of new technologies is lack of awareness among users. End users have only a minimal knowledge on the way power to them. With a deployment of new technology, it has become mandatory to educate end users regarding benefits of smart grid. Consumers should be made aware about their energy consumption pattern at home, office etc. Utilities need to focus on the overall capabilities of smart grids rather than mere implementation of smart meters. Policy makers and regulators must be very clear about the future prospects of smart grid.

3. List out the benefits of smart grid. **(2 Marks)**

The smart grid presents a wide range of potential benefits, including:

- Optimizing the value of existing production and transmission capacity.
- Incorporating more renewable energy.
- Enabling step-function improvements in energy efficiency.
- Enabling broader penetration and use of energy storage option.
- Reducing carbon emissions by increasing system, load and delivery efficiencies.
- Improving power quality.

4. State the advantages of renewable energy sources. **(2 Marks)**

- Great reduction in emissions of greenhouse gases.
- Significant reduction in demand for peak electrical generation.
- Substituting investment in generation, transmission, or distribution assets.
- Improving the reliable operation of the electrical transmission or distribution grid.

5. Name the technology drivers that build smart grid. **(2 Marks)**

The major challenges to be faced during smart grid implementation are

- Information and communication technologies.
- Sensing, measurement, control and automation technologies.
- Power electronics and energy storage technologies.
- Demand-side management.

PART-B

6a. Define smart grid. Differentiate between conventional grid and smart grid. (12 Marks)

Smart Grid: (2 Marks)
Smart grid is an electrical grid with automation, communication and IT systems that can monitor power flows from points of generation to points of consumption (even down to applications level) and control the power flow or curtail the load to match generation in real time or near real time.

Differentiate between conventional grid and smart grid. (10 Marks)

Conventional Grid	Smart Grid
Conventional grid is a traditional interconnected network of electrical to convey electricity from points of generation to points of utilization.	Smart grid is a modern electric grid which is developed by the integration of information and communication technologies into electrical transmission and distribution networks.
Conventional grid provides one-way communication.	Smart grid provides two-way communication.
Conventional grid has centralized generation.	Smart grid has distributed generation.
Conventional grid has a hierarchical structure.	Smart grid has a network type structure.
Conventional grid has a low level of automation.	Smart grid has a high level of automation.
Conventional grid has low efficiency.	Smart grid had high efficiency.
Conventional grid is less reliable.	Smart grid is more reliable.
Conventional grid has high losses.	Smart grid has low losses.
Conventional grid provides low customer satisfaction.	Smart grid provides high customer satisfaction.
Conventional grid has a bad effect on the environment.	Smart grid has less impact on the environment.

6b. List the smart appliances and describe an integration of smart appliances in to grid for home and building automation.
A smart home is a residence that uses internet-connected devices to enable the remote monitoring and management of appliances and systems, such as lighting and heating.

- Smart TVs
- Smart lighting systems
- Smart thermostats
- Smart locks
- Smart security cameras
- Smart coffee makers
- Smart refrigerators

List (6 Marks)
Description (6 Marks)

7a. Prepare a detailed report on the role played by FACTS technologies in the deployment of smart grid environment.

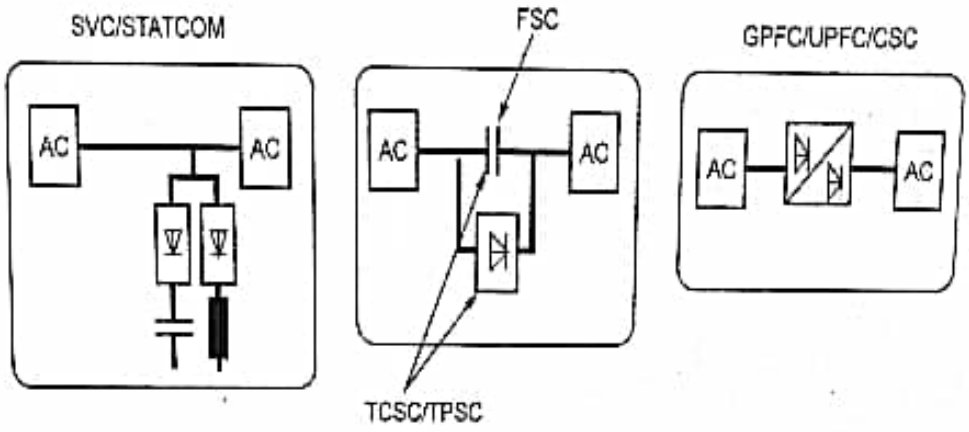
Reactive power compensation has been considered as a fundamental problem in achieving efficient and economical electric power delivery system.

Reactive compensation is subdivided into series compensation, shunt compensation, and combined compensation.

The required flexibility will be achieved with dynamically controlled compensation.

SVC - Static VAR Compensator
STATCOM - Static Synchronous Compensator, with VSC
FSC - Fixed Series Compensation
TCSC - Thyristor Controlled Series Compensation
TPSC - Thyristor Protected Series Compensation
UPFC - Unified Power Flow Controller
CSC - Convertible Synchronous Compensator
GPFC - Grid Power Flow Controller (FACTS-B2B)

FACTS Devices (6 Marks)
Explanation (7 Marks)



7b. Discuss in detail with neat diagram about the components of transmission systems.

PART-C

8a. (i) Describe the opportunities, challenges and benefits of Smart Grid.

Technical Challenges

- Management of Vast Amount of Data
- Inadequate grid resources
- Integrated Communication
- Transition from Legacy Systems
- Cyber Security
- Lack of Standard and Interoperability

Non-Technical Challenges

- Power Theft
- Low meter efficiency
- Affordable Energy
- Transmission and Distribution Losses
- Lack of Awareness
- Changes in Regulatory Policies
- Smart Consumer

Opportunities (3 Marks)
Challenges (3 Marks)
Benefits (2 Marks)

8a. (ii) Explain the concept of Resilient and Self-healing grid.

Resilient (4 Marks)

The grid resilience is a concept that merges the traditional reliability studies with predictive analytics, which combined leads to a robust power system operation are allowing the continuity of electricity supply. As the major disturbances occur, a resilient system should be able to either ride through or restore its service timely.

Self-Healing (3 Marks)

- Real-time self assessments to detect, analyze, respond, restore grid components.
- Minimize interruption time
- Identification of problematic devices
- Communication with local/remote devices to analyze faults, low voltage, poor power quality, overloads, and other negative conditions.

8b. (i) Discuss about present development in smart grid considering any one case study.

PED, Puducherry

Details of Project

The project proposes covering 34,000 no. of consumers with dominant being domestic consumers. The proposed project area is also covered under RAPDRP Scheme for IT implementation and system strengthening. Common Meter Data Management System is proposed to be developed that shall take data from MDMS of Different meter manufacturer/solution provider and integrate the information for use with Time of Use and Net Metering tariffs.

Functionalities Adopted: Advanced Metering Infrastructure

Benefits:

- Reduction in Distribution Losses
- Reducing cost of billing
- Increasing revenue collection efficiency

Case study selection - (2)
Discussion - (6)

Key Facts:

- Project Type: Smart Grid Pilot in Power Distribution Sector
- Final Project Cost: Rs.35.53 Cr.
- MoP Share: Rs.17.76 Cr.
- Funding Programme: IPDS

8b. (ii) Describe the National initiatives in smart grid systems.

The Smart Grid pilot projects sanctioned by Ministry of Power which are completed are as follows:

- AVVNL, Ajmer
- APDCL, Assam
- CESC, Mysore
- HPSEB, Himachal Pradesh
- PED, Puducherry
- TSECL, Tripura
- TSSPDCL, Telangana
- UHBVN, Haryana
- UGVCL, Gujarat
- WBSEDCL, West Bengal
- IIT Kanpur
- SGKC, Manesar

Initiatives - (4)
Description - (3)

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30/3/23
Signature of the faculty

S.K 30/03/23
HOD
[S. KANNAN]
HOD/EEE

Department of Electrical and Electronics Engineering
Academic Year: 2022 - 2023 (Even Semester)

COURSE PLAN - THEORY

Degree, Semester & Branch: VIII Semester B.E EEE

Regulation: Anna University R 2017

Course Code & Title: EE8019 – Smart Grid

Category of the Course: ~~BSC / ESC / EEC / HSMC / MC / PCC~~ / PEC / ~~OEC~~

Domain of the Course: Power System Engineering

Name of the Faculty member(s) with Designation & Department:

Mr. E. Thangam, Assistant Professor (Senior Grade), EEE

Contact Details:

- **Phone:** 9003457185
- **E-mail:** thangam@ritrjpm.ac.in
- **LMS Link:** https://canvas.instructure.com/courses/6245218

DEPARTMENT VISION, MISSION, PEO & PSO

VISION

To produce highly competent Electrical and Electronics Engineers with professional skills and a sense of ethics to meet the demands of technologically advancing society.

MISSION

- Empowering the students with up-to-date knowledge and technological skills in Electrical and Electronics Engineering thrust areas.
- Providing a rigorous practical training through industrial collaboration to produce Electrical and Electronics Engineers with good design experience.
- Providing a rigorous practical training through industrial collaboration to produce Electrical and Electronics Engineers with good design experience.
- Enabling the students to be life-long learners to meet intellectual, ethical and career challenges.

PEO

- Graduates will have adequate knowledge in basic science, mathematics and engineering necessary to formulate, solve and analyse electrical and electronics problems.

- ❖ Graduates will have the ability to apply engineering & management skills in their own / team projects in multidisciplinary environment, leading to successful careers and research.
- ❖ Graduates will have ability to engage in lifelong learning and an appreciation for professional ethical behaviour.
- ❖ Graduates will demonstrate technical knowledge and ethical values for professional development to meet the societal needs.

PSO

- ❖ Model and analyze the performance of Electrical Machines, Control and Instrumentation systems and Power and Power Electronic systems.
- ❖ Design the hardware and software requirements for the development of Electrical drives and Industrial Automation systems.
- ❖ Provide socially acceptable technical solutions to complex electrical engineering problems with the application of modern and appropriate techniques for sustainable development.
- ❖ Apply the knowledge of ethical standards and management principles required to work in a team.

A. Rationale

The present-day grid is unidirectional and does not maximize technological developments. Even today people need to inform the utility of a problem or failure in their area. Smart grids are becoming more important as more distributed renewable energy sources are getting added to the Grid. A smart grid is an electricity network enabling a two-way flow of electricity and data with digital communications technology. India aims to replace 25 crore conventional meters with smart meters through Smart Meter National Programme by 2025. Tamil Nadu, being one of the largest producers of wind energy, the integration of wind power plants with smart grid started in 2014. This course provides a cross-disciplinary overview approach ranging from the fundamentals of Smart Grids to renewable energy systems, energy storage, IT communications and standards.

Pre-requisites for the course:

- ❖ The basic knowledge on Transmission and Distribution, Power System Analysis, Power System Operation and Control and Power Quality are required.
- ❖ The basic knowledge on the concepts of communication networks and protocols is desirable.

B. Competency

The basic purpose of this course is to help the student to acquire the following competency which is a ***macro-level industry-oriented task***:

- Evaluate the performance of the Smart grid systems.

C. Course Objectives And Outcomes

Course Objectives:

1. To understand the basic concepts, components and architecture of smart grid.
2. To impart the knowledge on smart grid technologies and electric vehicles.
3. To educate about the different smart meters and advanced metering infrastructure.
4. To know about the power quality management issues in smart grid.
5. To provide the knowledge about the communication technologies applied in smart grid.

Course Outcomes (COs):

Each of the following course outcomes (COs) are ***meso-level industry-oriented sub-tasks*** of the above-referred competency which the industry expects the students to display individually as well as collectively in any job. Thus, each CO is an integrated performance of the cognitive domain outcomes, practical outcomes and Affective Domain Outcomes (or social skills):

CO	CO Statement	Unit	Performance Indicator
CO 1	Evaluate the functions of the grid components for converting to a smart grid system	I	1.3.1, 2.1.3, 5.1.1, 12.3.1
CO 2	Evaluate the electrical parameters of the grid for its efficient functioning	II	1.3.1, 2.1.3, 5.1.1, 8.1.1, 12.3.1
CO 3	Evaluate the performance of the various types of smart meters for their effective functioning.	III	1.3.1, 2.1.3, 5.1.1, 12.3.1
CO 4	Suggest the solutions to various power quality issues arising due to renewable energy power inputs into the grid.	IV	1.3.1, 2.1.3, 5.1.1, 8.1.1, 12.3.1
CO 5	Evaluate the performance of the communication network in Smart Grid Systems	V	1.3.1, 2.1.3, 5.1.1, 8.1.1, 12.3.1

Learning Outcomes:

CO	Topic Learning Outcome (TLO)
CO 1	1. Distinguish the working of the smart meter in a residential building fitted with the given capacity of a solar PV system. 2. Select with justification that smart grid component to be used for the given smart grid situation. 3. Suggest with justification smart grid solutions for the given conventional type of grid. 4. Identify the Tamil Nadu initiatives for implementing the smart grid system when compared to the given national / international initiatives.

CO	Topic Learning Outcome (TLO)
CO 2	5. Interpret the given electric parameters of the specified renewable energy sources. 6. Evaluate the performance of the given smart grid components in the smart grid substation based on the specified parameters observed in a typical substation. 7. Suggest with justification the factors that can improve the efficiency of the given transmission and/or distribution systems. 8. Interpret the performance of the given high efficiency distribution transformers. 9. Interpret the impact of the given type of plug-in electric vehicles on the grid.
CO 3	10. Prepare the specification of the relevant smart meters required for the given situation. 11. Identify the standards and protocols for the specified type of AMI. 12. Evaluate the performance of the given PMU for the specified transmission network parameters. 13. Choose with justification the relevant type of IED for the specified transmission/distribution applications.
CO 4	14. Interpret the power quality issues for the given grid connected renewable energy system. 15. Suggest with justification the suitable solution due to the impact of power quality and EMC for the given consumer loads. 16. Suggest with justification the remedial measures to improve the given power quality issues for the connection of the specified renewable energy sources. 17. Prepare the specifications for the given power quality conditioners for the specified situation. 18. Interpret the given web-based power quality parameters for monitoring the given situation. 19. Prepare the power quality audit plan for the given situation.
CO 5	20. Choose with justification the relevant communication system for the given situation. 21. Identify the communication protocols required for the given transmission / distribution network system. 22. Select with justification the relevant cloud computing service for properly managing the given smart grid system. 23. Suggest with justification the methods to adapt to protect the smart grid systems against cyber-attacks for the given situation.

Procedure for fixing Target:

CO-PO Matrices:

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C412.1	3	1	-	-	1	-	-	-	-	-	-	1
C412.2	3	1	-	-	1	-	-	1	-	-	-	1
C412.3	3	1	-	-	1	-	-	-	-	-	-	1
C412.4	3	1	-	-	1	-	-	1	-	-	-	1
C412.5	3	1	-	-	1	-	-	1	-	-	-	1
C412	**3**	**1**	**-**	**-**	**1**	**-**	**-**	**1**	**-**	**-**	**-**	**1**

CO-PSO Matrices:

CO	PSO1	PSO2	PSO3	PSO4
C412.1	1	-	-	-
C412.2	1	-	-	-
C412.3	1	-	-	-
C412.4	1	-	-	-
C412.5	1	-	-	-
C412	**1**	**-**	**-**	**-**

Course Outcome	Justification for Relevance of COs with POs & PSOs	
CO 1	PO1	Students will apply the basic power system fundamentals to understand the smart grid technologies. So, the PO is mapped at 3.
	PO2	Students will identify the relevant engineering concepts and apply to smart grid concepts and components. So, it is mapped with level 1.
	PO5	Students will use the websites / simulation tools for better understanding of the concepts. Thus, it is mapped with level 1.
	PO12	For doing activities, the students have to refer the various technical sources available. Hence, the PO is mapped at level 1.
	PSO1	Students will use the knowledge of power and power electronic systems for understanding the smart grid concepts. So, it is mapped at level 1.
CO 2	PO1	Students will apply the basic power system fundamentals to understand the smart grid technologies. So, the PO is mapped at 3.
	PO2	Students will choose the relevant engineering concepts and apply them to smart grid technologies. Hence, it is mapped at 1.
	PO5	Students will use the websites / animation videos for better understanding of the concepts. Thus, it is mapped with level 1.
	PO8	Students will follow the basic ethical practices for doing assignments.
	PO12	The students will use the available resources for doing assignments. The PO is mapped at level 1.
	PSO1	Students will use the knowledge of power and power electronic systems for understanding the smart grid concepts. So, it is mapped at level 1.
CO 3	PO1	Students will apply the basic power system fundamentals and measurement techniques to the smart meters. Thus, it is mapped with level 3.
	PO2	Students will apply the basic engineering knowledge to understand the working and design of the smart meters and AMI. So, the PO is mapped at 1.
	PO5	Students will use the websites / animation videos for better understanding of the concepts. Thus, it is mapped with level 1.
	PO12	For doing activities, the students have to refer the various technical sources available. Hence, the PO is mapped at level 1.
	PSO1	Students will use the knowledge of power and power electronic systems for understanding the smart grid concepts. So, it is mapped at level 1.
CO 4	PO1	Students will apply the basic power quality concepts to smart grid. So, the PO is mapped at 3.
	PO2	Students will apply the engineering concepts to solve the power quality issues in the smart grid. Thus, the PO is mapped at level 1.
	PO5	Students will use the websites / animation videos for better understanding of the concepts. Thus, it is mapped with level 1.
	PO8	Students will follow the basic ethical practices for doing assignments.
	PO12	The students will use the available resources for doing assignments. The PO is mapped at level 1.
	PSO1	Students will use the knowledge of power and power electronic systems for understanding the smart grid concepts. So, it is mapped at level 1.

Course Outcome	Justification for Relevance of COs with POs & PSOs	
CO 5	PO1	Students will apply the communication concepts to the high performance computing in smart grid applications. Hence, it is mapped at level 3.
	PO2	Students will use the engineering concepts to choose the appropriate communication networks for the smart grid applications. Therefore, it is mapped at level 1.
	PO5	Students will use the websites / animation videos for better understanding of the concepts. Thus, it is mapped with level 1.
	PO8	Students will follow the basic ethical practices for doing assignments.
	PO12	The students will refer the technical contents for doing active learning. So, it is mapped at level 1.
	PSO1	Students will use the knowledge of power and power electronic systems for understanding the smart grid concepts. So, it is mapped at level 1.

D. Lecture Plan:

Lecture No.	Topic(s) to be taught	Instructional Methods	TLO Mapping	CO Mapping
UNIT I INTRODUCTION TO SMART GRID				
1.	Evolution of Electric Grid	Passive mode	TLO 1	
2.	Concept, Definitions and Need for Smart Grid	Active mode NPTEL video	TLO 1	CO 1
3.	Smart grid drivers	Passive mode	TLO 2	
4.	Smart grid functions	Passive mode	TLO 2	
5.	Smart grid opportunities	Passive mode	TLO 2	
6.	Smart grid challenges and benefits	Active mode NPTEL video	TLO 2	
7.	Difference between conventional & Smart Grid	Passive mode with Q & A	TLO 3	
8.	National Initiatives in Smart Grid	Active learning Case Study	TLO 4	
9.	International Initiatives in Smart Grid	Passive mode	TLO 4	
UNIT II SMART GRID TECHNOLOGIES				
10.	Technology Drivers, Smart energy resources, Smart substations	Active mode NPTEL video	TLO 5	CO 2
11.	Substation Automation & Feeder Automation	Passive mode	TLO 6	
12.	Transmission systems: EMS, FACTS and HVDC	Active mode NPTEL video	TLO 7	
13.	Wide area monitoring, Protection and control	Active mode NPTEL video	TLO 7	
14.	Distribution systems: DMS, Volt/VAR control	Passive mode	TLO 7	

Lecture No.	Topic(s) to be taught	Instructional Methods	TLO Mapping	CO Mapping
15.	Fault Detection, Isolation and service restoration	Passive mode	TLO 7	
16.	Outage management	Passive mode	TLO 7	
17.	High-Efficiency Distribution Transformers & Phase Shifting Transformers	Passive mode	TLO 8	
18.	Plugin Hybrid Electric Vehicles (PHEV)	Active learning Think – Pair - Share	TLO 9	
	UNIT III SMART METERS AND ADVANCED METERING INFRASTRUCTURE			
19.	Introduction to Smart Meters	Passive mode	TLO 10	CO 3
20.	Smart meter system: issues, technologies & security	Passive mode with Q & A	TLO 10	
21.	Advanced Metering infrastructure (AMI) drivers and benefits	Active learning 3-2-1 method	TLO 10	
22.	AMI protocols & Standards	Passive mode	TLO 11	
23.	AMI Initiatives	Passive mode	TLO 11	
24.	AMI needs in the smart grid	Passive mode	TLO 11	
25.	Phasor Measurement Unit (PMU)	Active mode NPTEL video	TLO 12	
26.	Intelligent Electronic Devices (IED)	Passive mode	TLO 13	
27.	IED application for monitoring & protection	Passive mode	TLO 13	
	UNIT IV POWER QUALITY MANAGEMENT IN SMART GRID			
28.	Power Quality in Smart Grid	Passive mode	TLO 14	CO 4
29.	EMC in Smart Grid	Passive mode	TLO 15	
30.	Power Quality issues of Grid connected Renewable Energy Sources	Active learning Ungraded quiz	TLO 16	
31.	Requirements for Grid connected systems	Passive mode with Q & A	TLO 16	
32.	Power Quality Conditioners for Smart Grid	Passive mode	TLO 17	
33.	Examples of Power Quality conditioners for Smart Grid	Passive mode	TLO 17	
34.	Web based Power Quality monitoring	Passive mode	TLO 18	
35.	Software for Web based Power Quality monitoring	Passive mode	TLO 18	
36.	Power Quality Audit	Passive mode	TLO 19	
	UNIT V HIGH PERFORMANCE COMPUTING FOR SMART GRID APPLICATIONS			
37.	Communication channels	Active learning Mind map	TLO 20	CO 5
38.	Local Area Network (LAN)	Passive mode	TLO 20	

Lecture No.	Topic(s) to be taught	Instructional Methods	TLO Mapping	CO Mapping
39.	House Area Network (HAN)	Passive mode	TLO 20	
40.	Wide Area Network (WAN)	Passive mode	TLO 20	
41.	Broad band over Power line (BPL)	Passive mode	TLO 20	
42.	IP based Protocols	Passive mode	TLO 21	
43.	Basics of Web Service and CLOUD Computing to make Smart Grids smarter	Passive mode with Q & A	TLO 22	
44.	Introduction to Cyber Security	Passive mode	TLO 23	
45.	Cyber Security for Smart Grid	Passive mode	TLO 23	

Teaching Aids to be Used:

Notes: Teaching aids such as Blackboard / Whiteboard / Interactive Projector/ LCD, etc., shall be used

E. Bridge Course Plan: *(Optional)*

Sl. No.	Topic(s) to be taught	Instructional Methods	TLO/ CO Mapping *(1,2,3..) (Optional)*
	Not Applicable		

F. Content Beyond Syllabus Plan:

Sl. No.	Topic(s) to be taught	Instructional Methods	TLO/ CO Mapping *(Optional)*	Relevance to POs & PSOs	Remarks
1.	Electrical Energy Storage Systems	Passive mode	-	PO1, PO6, PO7	Own inclusion
2.	Demand side integration and Demand response	NPTEL Video	-	PO1, PO6, PO7	Own inclusion

G. Tutorial Plan: *(if applicable)*

Tutorial No.	Topic(s)	TLO Mapping	CO Mapping
T1	Diagram practice on model of a smart grid (NIST & IEEE)	TLO 2	CO 1
T2	Diagram practice on Energy management system	TLO 5	CO 2
T3	Diagram practice on hardware structure of a modern smart meters	TLO 10	CO 3
T4	Diagram practice on Grid connected system	TLO 14	CO 4
T5	Practice on comparative analysis on various communication technologies	TLO 20	CO 5

H. Assignment Plan:

Assignment No.	Topic(s)	TLO Mapping	CO Mapping
1.	Introduction to Smart Grid and Smart Grid technologies	TLO 2 TLO 4 TLO 6	CO1, CO2
2.	Smart meters and Advanced Metering Infrastructure	TLO 10 TLO 11	CO2, CO3
3.	Power quality issues and cloud computing applications in Smart Grid	TLO 15 TLO 22	CO4, CO5

I. Details of e-Learning Sources (Videos):

Sl. No.	Title of NPTEL / MIT/ Matlab/ Online Video & Link	Matching with the topic vide Lecture No.	TLO Mapping	CO Mapping
NPTEL Online course: Introduction to Smart Grid, Dr. N.P. Pathy, and Dr. Premalatha Jena, Department of Electrical Engineering, IIT Roorkee.				
1.	Introduction to Smart Grid-I	2, 3, 4	TLO 2	CO1
2.	Introduction to Smart Grid- II	5, 6, 7	TLO 2	CO1
3.	Architecture of smart grid system	4, 5	TLO 3	CO1
4.	Standards for smart grid system	4, 5	TLO 3	CO1
5.	Elements and Technologies of smart grid system - I	10, 11	TLO 6	CO2
6.	Elements and Technologies of smart grid system - II	12, 15, 16	TLO 6	CO2
7.	Energy Management	12	TLO 7	CO2
8.	Wide Area Monitoring System - I	13	TLO 7	CO2
9.	Wide Area Monitoring System - II	13	TLO 7	CO2
10.	Phasor Estimation - I	25	TLO 12	CO3
11.	Phasor Estimation - II	25	TLO 12	CO3

J. Mini / Micro Project Plan:

Sl. No.	Title of the Project	Number of students/ Batch	Nature of the project	CO Mapping	Relevance to POs & PSOs
1.	Develop an SQL database of voltage, current and power factor using smart energy meter in AWS cloud.	5	Software	CO1, CO2, CO3, CO4, CO5	PO1, PO5

Sl. No.	Title of the Project	Number of students/ Batch	Nature of the project	CO Mapping	Relevance to POs & PSOs
2.	Configure routing in Azure IoT Hub which will log the date of voltage, current, maximum demand and power factor.	5	Software	CO1, CO2, CO3, CO4, CO5	PO1, PO5
3.	Build device messaging and communication in Azure IoT hub for the given protocol and standard.	5	Software	CO1, CO2, CO3, CO4, CO5	PO1, PO5
4.	Develop an Azure IoT hub for smart energy meter data and process its data streams with with Azure Stream Analytics.	5	Software	CO1, CO2, CO3, CO4, CO5	PO1, PO5

K. Innovative Practice Plan

Sl. No.	Topic	TLO Mapping	CO Mapping	Relevance to POs & PSOs
1.	National Initiatives in Smart Grid – Case study report	TLO 4	CO1	PO1, PO8, PO10
2.	Plugin Hybrid Electric Vehicles (PHEV) - Think – Pair - Share	TLO 9	CO2	PO1, PO9, PO10
3.	Advanced Metering infrastructure (AMI) drivers and benefits - 3-2-1 method	TLO 11	CO3	PO1, PO10
4.	Power Quality issues of Grid connected Renewable Energy Sources – Ungraded Quiz	TLO 16	CO4	PO1, PO5, PO8
5.	Communication channels - Mind map	TLO 20	CO5	PO1, PO5, PO10

Details of References:

Textbooks:

1. Stuart Borlase, "Smart Grid: Infrastructure, Technology and Solutions", CRC Press 2012.
2. Janaka Ekanayake, Nick Jenkins, Kithsiri Liyanage, Jian zhong Wu, Akihiko Yokoyama, "Smart Grid: Technology and Applications", Wiley 2012.

Other References:

Books / Website/ Journal/e-books/ Videos/ NPTEL/ Matlab Online/ Online Course etc.

1. Vehbi C. Gungor, Dilan Sahin, Taskin Kocak, Salih Ergut, Concettina Buccella, Carlo Cecati, and Gerhard P. Hancke, "Smart Grid Technologies: Communication Technologies and Standards", IEEE Transactions on Industrial Informatics, Vol.7, No.4, November 2011.

2. Xi Fang, Satyajayant Misra, Guoliang Xue, and Dejun Yang, "Smart Grid –The New and Improved Power Grid: A Survey", IEEE Transaction on Smart Grids, vol.14, 2012.
3. James Momoh, "Smart Grid: Fundamentals of Design and Analysis", Wiley-IEEE Press, 2012.
4. I.S. Jha, Subir Sen, Rajesh Kumar, and D.P. Kothari, "Smart Grid Fundamentals & Applications", New Age International Publishers, 1st Edition, 2019.
5. Bharat Modi, Anu Prakash, and Yogesh Kumar, "Fundamentals of Smart Grid Technology", S. K. Kataria & Sons, 1st Edition, 2019.
6. Yokoyama, "Smart Grid: Technology and Applications", John Wiley & Sons Inc, 2012.
7. Lars. T. Berger, K. Iniewski, "Smart Grid: Applications, Communications & Security" Wiley India Pvt. Ltd, Reprint 2015.
8. Clark W. Gellings, "The Smart Grid- Enabling energy efficiency and demand response", CRC press, 2009
9. Fereidoon P.Sioshansi, "Smart grid- integrating renewable, distributed and efficient energy", Elsevier, 2012
10. https://nptel.ac.in/courses/108107113
11. https://www.edx.org/course/smart-grids-the-basics
12. https://online.stanford.edu/courses/xeiet237-transforming-grid-ai-renewables-storage-evs-and-prosumers

L. Session Plan: *(Minimum 1 Topic from 2 Units)*

Plan – I

- Relevant Course Outcome (CO): CO2
- Unit (Topic) Number with Title: Unit – II (Topic 18) – Smart Grid Technologies
- Sub-topic Title: Plugin Hybrid Electric Vehicles (PHEV)
- Session Duration: 50 minutes
- Session Learning Outcomes (starting with action-oriented verbs):
  - ❖ Explain the working of PHEV and benefits and challenges of PHEV.
  - ❖ Compare the different kinds of PHEVs with respect to configurations.
- Equipment required in Classroom/ Laboratory/ Workshop

  Computer with LCD projector, Online polling tool & Whiteboard
- Instructional media required
  - ❖ List of instructional media available
    a) Animation videos from YouTube.
  - ❖ List of instructional media to be prepared
    a) Online poll quiz questions

Time required	Teaching Points	Teacher's Activity	Student's Activity	Instructional Methods	Teaching Aid / Media
5 Minutes	Introduction to the Plug-in Hybrid Vehicles (PHEVs)	Questioning	Responding & Recollecting	Passive learning with Q & A	PPT
10 Minutes	Explanation of the components of the PHEV with neat sketches	Presentation delivery	Listening	Passive learning with Q & A	PPT
20 Minutes	Explanation of the working of the PHEV with animation videos	Presentation delivery	Listening	Active mode	PPT
5 Minutes	Think – pair - share	Facilitation for the activity	Active interaction & participation	Active Learning	PPT with questions
10 Minutes	Comparison of the different kinds of PHEVs according to the configurations	Presentation delivery	Listening	Passive learning with Q & A	PPT
3 Minutes	Class poll	Posting poll	Polling	Active learning	Polling tool
2 Minutes	Consolidation and conclusion	Revising and Questioning	Responding	Passive learning with Q & A	PPT

Plan – II

- Relevant Course Outcome (CO): CO3
- Unit (Topic) Number with Title: Unit – III (Topic 21) – Smart Meters and Advanced Metering Infrastructure
- Sub-topic Title: Advanced Metering infrastructure (AMI) drivers and benefits
- Session Duration: 50 minutes
- Session Learning Outcomes (starting with action-oriented verbs):
  - ❖ Explain the general structure and block diagram of the AMI and its protocols and standards.
  - ❖ List out the benefits, needs and drivers of the AMI in smart grid.
- Equipment required in Classroom/ Laboratory/ Workshop
  Computer with LCD projector and Whiteboard
- Instructional media required
  - ❖ List of instructional media available
    a) Projector
  - ❖ List of instructional media to be prepared
    b) Nil

Time required	Teaching Points	Teacher's Activity	Student's Activity	Instructional Methods	Teaching Aid / Media
5 Minutes	Revision of the smart meters and Introduction to the Advanced metering Infrastructure	Questioning	Responding & Recollecting	Passive learning with Q & A	PPT
5 Minutes	Explanation of the general structure of the AMI	Presentation delivery	Listening	Passive learning	PPT
20 Minutes	Explanation of the key components of the AMI with its neat block diagram	Presentation delivery	Listening	Passive learning with Q & A	PPT
10 Minutes	3-2-1 method	Conducting the Quiz	Active participation	Active Learning	PPT
5 Minutes	Asking the students to discuss their points to the class	Discussing the points	Active Interaction	Active learning	PPT
3 Minutes	List the main features, benefits, needs and protocols of the AMI	Presentation delivery	Listening	Passive learning with Q & A	PPT
2 Minutes	Consolidation and conclusion	Revising and Questioning	Responding	Passive learning with Q & A	PPT

24/2/23
Signature of the Faculty Member

24/2/23
Domain Coordinator
(K. Karthikeyan)

25/02/23
HoD/EEE

11/3/23
Vice Principal

Principal

Department of Electrical and Electronics Engineering
Academic Year: 2022 - 2023 (Even Semester)

COURSE ASSESSMENT - THEORY

Degree, Semester & Branch: VIII Semester B.E EEE

Regulation: Anna University R 2017

Course Code & Title: EE8019 – Smart Grid

Category of the Course: ~~BSC / ESC / EEC / HSMC / MC / PCC~~ / PEC / ~~OEC~~

Domain of the Course: Power System Engineering

Name of the Faculty member(s) with Designation & Department:

Mr. E. Thangam, Assistant Professor (Senior Grade) - EEE

Contact Details:

- **Phone:** 9003457185
- **E-mail:** thangam@ritrjpm.ac.in
- **LMS Link:** https://canvas.instructure.com/courses/6245218

A. Pre-Requisite Assessment Details:

Sl. No.	Assessment methods	Marks	Evaluation methods
1.	Quiz	20	-

B. Assessment Methods:

Course Outcome	Direct methods
CO1	1. Internal Assessment Test - I 2. Tutorial 3. Assignment 4. Micro project
CO2	1. Internal Assessment Test – I & II 2. Tutorial 3. Assignment 4. Micro project
CO3	1. Internal Assessment Test - II 2. Tutorial 3. Assignment 4. Micro project

Course Outcome	Direct methods
CO4	1. Internal Assessment Test - III 2. Tutorial 3. Assignment 4. Micro project
CO5	1. Internal Assessment Test - III 2. Tutorial 3. Assignment 4. Micro project

C. Course Assessment Plan (CAP)

Continuous Internal Assessment Methods (CIAM) *(Direct / Indirect)*	Weightage						
	CO1	CO2	CO3	CO4	CO5	CIAM	End Semester
Internal Assessment Test	60%	60%	60%	60%	60%	40%	60%
Assignment	10%	10%	10%	10%	10%		
Tutorial	10%	10%	10%	10%	10%		
Micro project	10%	10%	10%	10%	10%		
CO End Survey	10%	10%	10%	10%	10%		
Total	100 %	100 %	100 %	100 %	100 %	100%	

D. Evaluation Methods

Sl. No.	Assessment methods	Marks	Evaluation methods
1.	Internal Assessment Test I / II/ III	50 / 100	Scheme of evaluation
2.	Assignments	10	Rubrics
3.	Tutorials	10	Rubrics
4.	Micro project	10	Rubrics

Rubrics for Assessment of Tutorials / Assignments:

Criteria	Ratings				Marks
	Excellent	*Good*	*Satisfactory*	*Needs Improvement*	
Timely Submission	Submitting on or before time **(2 marks)**	Submitting a day delay from deadline **(1.5 marks)**	Submitting within 3 days from deadline **(1 mark)**	Submitting after 3 days from deadline **(0.5 marks)**	2

Criteria	Ratings				Marks
	Excellent	*Good*	*Satisfactory*	*Needs Improvement*	
Plagiarism	0% to 10% of plagiarism **(2 marks)**	11% to 20% of plagiarism **(1.5 marks)**	20% to 30% of plagiarism **(1 mark)**	above 30% **(0 marks)**	2
Citation	Reference sources are properly cited **(2 marks)**	Reference sources are partially cited **(1.5 mark)**	Reference sources are cited without proper format **(1 mark)**	No proper citation **(0 marks)**	2
Content of the assignment	Impressive, unique with 90% to 100% relevancy and addressing all the parts in question **(2 marks)**	75% to 90% relevancy of content and addressing at least 75% of parts in question **(1.5 marks)**	50% to 75% relevancy in content with improper addressing of parts asked in questions **(1 mark)**	Less than 50% relevancy of content **(0 marks)**	2
Presentation	Impressive presentation with front page containing assignment details, alignment **(2 marks)**	Pleasing presentation with front page but lagging in alignment **(1.5 marks)**	Presentation without title page containing assignment information **(1 mark)**	Poor presentation without title page and improper alignment **(0.5 mark)**	2
				Total Marks	*10*

Rubrics for the Assessment of Micro Project

Criteria	Ratings				Marks
	Excellent (4)	*Good (3)*	*Average (2)*	*Satisfactory (1)*	
Literature survey / information collection	About 10 relevant sources, most latest	At least 7 relevant sources, most latest	At least 5 relevant sources, at least 2 latest	Less than two sources (primary and secondary), very old reference	4
Completion on Target as per project proposal	Completed more than 80%	Completed 60% to 80%	Completed 50% to 60%	Completed less than 50%	4
Quality of software model	Code is well written and easy to understand. Easy user interface	Code is well written and easy to understand but difficult user interface	Code is well written but difficult to understand and difficult user interface	Code is not well written and difficult to understand and difficult user interface	4

Criteria	Ratings				Marks
	Excellent (4)	*Good (3)*	*Average (2)*	*Satisfactory (1)*	
Report preparation	Very detailed, correct, clear description. Enough tables, charts and sketches	Detailed, correct and clear description. Sufficient graphic description	Nearly sufficient and correct description. But not enough graphic description	Not sufficient description. Very short, poor quality sketches.	4
Presentation	Well organized, includes major information, well presented	Includes major information and well organized but not presented well	Includes major information but not well organized and presented well	Major information is not included, information is not well organized	4
				Total Marks	***20***

21/2/23
Signature of the Faculty Member

24/2/23
Domain Coordinator
CH. Karthikeyan

25/02/23
HoD/EEE

23/2/23
Vice Principal

Principal
1 3 23

RAMCO INSTITUTE OF TECHNOLOGY

Approved by AICTE, New Delhi & Affiliated to Anna University
Accredited by NAAC & An ISO 9001:2015 Certified Institution
NBA Accredited UG Programs: CSE, EEE, ECE and MECH

Department of Electrical and Electronics Engineering
Academic Year: 2022 – 2023 (Even Semester)
Professional Elective VI - Name list

Degree, Semester & Branch: VIII Semester B.E. EEE
Course Code & Name: EE8019- Smart Grid

Sl. No.	Reg.No.	Name of the Students
1.	953619105002	ANANTHARAJ V
2.	953619105004	ARJUNA RAJA V
3.	953619105005	ARUNKUMAR A
4.	953619105007	GURUMOORTHY S
5.	953619105011	KANNAN A
6.	953619105015	MATHEEN SHEIK MOHIDEEN S
7.	953619105019	RISHI RAGHUL E
8.	953619105020	SEENU RA
9.	953619105021	SHARMA KUMAR S
10.	953619105022	SUNIL RAM D M
11.	953619105302	KABILAN K
12.	953619105303	KALIRAJ R

30/01/2023
Class Adviser
[A.S. VIGNESHWAR]

S.K 30/01/23
HoD/EEE

EE8019	SMART GRID	L T P C 3 0 0 3

OBJECTIVES:

To impart knowledge about the following topics:

- Smart Grid technologies, different smart meters and advanced metering infrastructure.
- The power quality management issues in Smart Grid.
- The high performance computing for Smart Grid applications

UNIT I INTRODUCTION TO SMART GRID 9

Evolution of Electric Grid, Concept, Definitions and Need for Smart Grid, Smart grid drivers, functions, opportunities, challenges and benefits, Difference between conventional & Smart Grid, National and International Initiatives in Smart Grid.

UNIT II SMART GRID TECHNOLOGIES 9

Technology Drivers, Smart energy resources, Smart substations, Substation Automation, Feeder Automation, Transmission systems: EMS, FACTS and HVDC, Wide area monitoring, Protection and control, Distribution systems: DMS, Volt/VAR control, Fault Detection, Isolation and service restoration, Outage management, High-Efficiency Distribution Transformers, Phase Shifting Transformers, Plugin Hybrid Electric Vehicles (PHEV).

UNIT III SMART METERS AND ADVANCED METERING INFRASTRUCTURE 9

Introduction to Smart Meters, Advanced Metering infrastructure (AMI)drivers and benefits, AMI protocols, standards and initiatives, AMI needs in the smart grid, Phasor Measurement Unit (PMU), Intelligent Electronic Devices (IED) & their application for monitoring & protection.

UNIT IV POWER QUALITY MANAGEMENT IN SMART GRID 9

Power Quality & EMC in Smart Grid, Power Quality issues of Grid connected Renewable Energy Sources, Power Quality Conditioners for Smart Grid, Web based Power Quality monitoring, Power Quality Audit.

UNIT V HIGH PERFORMANCE COMPUTING FOR SMART GRID APPLICATIONS 9

Local Area Network (LAN), House Area Network (HAN), Wide Area Network (WAN), Broad band over Power line (BPL), IP based Protocols, Basics of Web Service and CLOUD Computing to make Smart Grids smarter, Cyber Security for Smart Grid.

TOTAL: 45 PERIODS

OUTCOMES:

- Learners will develop more understanding on the concepts of Smart Grid and its present developments.
- Learners will study about different Smart Grid technologies.

- Learners will acquire knowledge about different smart meters and advanced metering infrastructure.
- Learners will have knowledge on power quality management in Smart Grids
- Learners will develop more understanding on LAN, WAN and Cloud Computing for Smart Grid applications.

TEXT BOOKS:

1. Stuart Borlase, "Smart Grid: Infrastructure, Technology and Solutions", CRC Press 2012.
2. Janaka Ekanayake, Nick Jenkins, Kithsiri Liyanage, Jian zhong Wu, Akihiko Yokoyama, "Smart Grid: Technology and Applications", Wiley 2012.

REFERENCES:

1. Vehbi C. Gungor, Dilan Sahin, Taskin Kocak, Salih Ergut, Concettina Buccella, Carlo Cecati, and Gerhard P. Hancke, "Smart Grid Technologies: Communication Technologies and Standards", IEEE Transactions on Industrial Informatics, Vol.7, No.4, November 2011.
2. Xi Fang, Satyajayant Misra, Guoliang Xue, and Dejun Yang, "Smart Grid –The New and Improved Power Grid: A Survey", IEEE Transaction on Smart Grids, vol.14, 2012.
3. James Momoh, "Smart Grid: Fundamentals of Design and Analysis", Wiley-IEEE Press, 2012.

Reg. No. : | | | | | | | | | | | | |

Question Paper Code : 90506

B.E./B.Tech. DEGREE EXAMINATIONS, NOVEMBER/DECEMBER 2022.

Seventh Semester

Electrical and Electronics Engineering

EE 8019 — SMART GRID

(Regulations 2017)

Time : Three hours | Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1. Compare conventional power grid with smart grid based on characteristics.
2. What is meant by Smart Grid Interoperability Panel?
3. List the various objectives of FACTS controllers in the power system network.
4. Define Supply restoration.
5. Draw functional diagram of smart meter.
6. Write down the principle of phasor measurement unit.
7. State different Issues of Power Quality Monitoring.
8. What are roles of EMC in Smart Grid?
9. List various Benefits of Home Area Network.
10. Classify Local Area Network (LAN) in Smart Grid based on data rate.

PART B — (5 × 13 = 65 marks)

11. (a) Discuss about SWOT analysis of Smart Grid.

Or

(b) Explain in detail about Smart Grid drivers.

12. (a) With a neat block diagram explain the relation between Outage management system and smart grid technology.

Or

(b) Explain in detail about concept and working of Plug in Hybrid Electric Vehicles.

13. (a) With a help of block diagram explain the comparison between Conventional Metering and Smart Metering.

Or

(b) Explain how the reliability of smart grid can be enhanced by integrating intelligent electronic devices (IED) into it.

14. (a) Explain the various steps involved in Procedure for Monitoring Power Quality.

Or

(b) Discuss in detail the Challenges of future power quality.

15. (a) Explain in detail about importance of Cloud Computing in Smart Grid applications

Or

(b) Explain the importance of Wide Area Network (WAN) for smart grid applications.

PART C — (1 × 15 = 15 marks)

16. (a) Explain the need of distribution system automation for power grid applications.

Or

(b) Explain detail about different components and control equipment of modern Smart substation.

Reg. No. : | | | | | | | | | | | | |

Question Paper Code : 20503

B.E./B.Tech. DEGREE EXAMINATIONS, APRIL/MAY 2022.

Seventh/Eighth Semester

Electrical and Electronic Engineering

EE 8019 – SMART GRID

(Regulations 2017)

Time : Three hours Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1. What is Smart Grid?
2. Write down the national initiatives in smart grid.
3. What are the requirements of Volt/VAR?
4. What do you mean by smart energy?
5. Define smart meter.
6. What is need of PMU?
7. What do you mean by power quality in smart grid?
8. Write the advantage of using audit in power quality.
9. How to make smart grids smarter?
10. What is HAN?

PART B — (5 × 13 = 65 marks)

11. (a) Explain in detail the concept of smart grid and its necessity.

Or

(b) Describe the opportunities, challenges, and benefits of smart grid.

12. (a) What do you mean by smart substation? With neat diagram explain the driving elements of substation automation and functions of substation automation system.

Or

(b) Explain the principle of outage management system and its requirement for integration.

13. (a) Explain Advanced Metering Infrastructure (AMI) drivers and its need in smart grid.

Or

(b) Describe the impact of intelligent electronic devices on the reliability of smart grid.

14. (a) Discuss in detail about web based power quality monitoring in smart grid.

Or

(b) Explain the power quality issues of grid connected renewable energy sources.

15. (a) Write a note on broadband over power line and cyber security in smart grid.

Or

(b) Explain the concept of Wide Area Network (WAN) in terms of smart grid application.

PART C — (1 × 15 = 15 marks)

16. (a) List smart appliances and discuss how they are integrated into the grid for home and building automation.

Or

(b) Discuss in detail with neat diagram about the components of transmission systems.

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RAMCO INSTITUTE OF TECHNOLOGY

Department of Electrical and Electronics Engineering

Academic Year: 2022-2023 (Even Semester)

INDIVIDUAL FACULTY TIME TABLE

(with effect from: 01.02.2023)

Name of the Faculty member: Mr. E. Thangam, AP(SG)/EEE

Period/ Day	I	II	Tea Break	III	IV	Lunch Break	V	VI	VII
Monday				EE8019 B3R02				EE8019 B3R02	
Tuesday	EE8019 B3R02	EE8019 B3R02					EE8019 B3R02		
Wednesday									
Thursday									
Friday									

A: Course code or abbreviation C: Class Room

Course Code & Title	No. of Periods
1. EE8019 Smart Grid (VIII Semester B.E. EEE)	5

1/2/23

Signature of the Faculty member

01/02/23

HOD

RAMCO INSTITUTE OF TECHNOLOGY

Department of Electrical and Electronics Engineering

Academic Year: 2022-2023 (Even Semester)

CLASS TIME TABLE

(with effect from: 01.02.2023)

Class room: B3R02

Semester/Class: VIII Semester B.E EEE

Period& Time / Day	I 09.00-09.50	II 09.50-10.40	10.40 - 11.00	III 11.00-11.50	IV 11.50-12.40	12.40-01.20	V 01.20-02.10	VI 02.10-03.00	VII 03.00-03.50
Monday	MG8591 SKN	MG8591 SKN	Tea Break	EE8019 ETM	Lib. RCN	Lunch Break	MG8591 SKN	EE8019 ETM	T & P ASV&KKN
Tuesday	EE8019 ETM	EE8019 ETM		MG8591 SKN	MG8591 SKN		EE8019 ETM	T & P ASV&KKN	Lib. RCN
Wednesday	EE8811 DKP			EE8811 DKP			EE8811 DKP		
Thursday	EE8811 DKP			EE8811 DKP			EE8811 DKP		
Friday	EE8811 DKP			EE8811 DKP			EE8811 DKP		
Saturday	EE8811 DKP			EE8811 DKP			EE8811 DKP		

	Course code & Title	Name of the Faculty member	No. of Periods
1. MG8591	Principles of Management	Mr. S. Kathiravan (SKN)	5
2. EE8019	Smart Grid	Mr. E. Thangam (ETM)	5
3. EE8811	Project Work	Mr. D. Karthik Prabhu (DKP)	28
4. T&P	Training and Placement	Mr. A.S. Vigneshwar (ASV) & Dr. K. Karthikeyan (KKN)	2
5.	Library (Lib.)	Mr. R. Chandran (RCN)	2

Dept. Timetable Coordinator

Academic Coordinator

Timetable Coordinator

HOD

Vice Principal

Principal

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

EE8019-SMART GRID

UNIT I - INTRODUCTION TO SMART GRID

1. Define electrical grid.

An electric grid or power grid, is an interconnected network for delivering electricity from producers to consumers. It consists of generating stations that produce electric power.

2. What are the four components of electric grid?

The electric grid has four major components: electricity generators, transmission lines, distribution networks, and consumer use.

3. What is meant by smart grid?(Nov-Dec-21)(Apr-May-22)

Smart grid is an electrical grid with automation, communication and IT systems that can monitor power flows from points of generation to points of consumption (even down to applications level) and control the power flow or curtail the load to match generation in real time or near real time.

4. What are smart grid drivers?

Smart grid drivers are the forces that have emphasized the need for smart grid for overcoming the challenges faced by power sectors

5. What are global drivers of smart grid driver?

The challenges with existing grid have increased the need for reinvention of energy sector. The deployment of smart grid is based on three important factors, namely inexorable increase in energy demand, global warming, empowering customer, economic competitiveness, energy reliability and security. For addressing these issues smart grid drivers are required. Since, these factors are major driving factors, they are also referred as global drivers of smart grid.

6. State the need of improving smart grid awareness.

In many developing countries, a major obstruction in deployment of new technologies is lack of awareness among users. End users have only a minimal knowledge on the way power to them. With a deployment of new technology, it has become mandatory to educate end users regarding benefits of smart grid. Consumers should be made aware about their energy consumption pattern at home, office etc. Utilities need to focus on the overall capabilities of smart grids rather than mere implementation of smart meters.

7. **Compare traditional grid with smart grid. (Nov-Dec-21)**

Traditional Grid	Smart Grid
One-way communication	Two-way communication
Centralized generation	Distributed generation
Hierarchical structure	Network type structure
Low level of automation	High level of automation
High losses	Losses are minimized
Low efficiency and reliability	High efficiency and reliability
Low customer satisfaction	High customer satisfaction

8. **Compare conventional power grid with smart grid based on characteristics. (Nov-Dec-22)**

Characteristics	Traditional Grid	Smart Grid
Architecture	Hierarchical and Vertical Structure	Unbundled and Distributed Structure
Consumer participation	Non-participative and uninformed	Participative and Informed
Generation and Storage options	Central Generation dominance and no storage framework	Distributed Energy Resources (DERs) with pulg and play features
Power quality	Poor quality, focus on outage	Power quality is a priority
Asset optimization	Poor, little data integration	Data driven and predictive asset management
New Product and Services	Limited, poor customer focus	Better market and services for customers
Self Healing	No self healing	Self healing, automatic & predictive fault address

9. **What is meant by Smart Grid Interoperability Panel? (Nov-Dec-22)**

Smart Grid Interoperability Panel or SGIP is an organization that defines requirements for a smarter electric grid by driving interoperability, the use of standard, and collaborating across organizations to address gaps and issue hindering the deployment of smart grid technologies.

10. **List out the benefits of smart grid.**

The smart grid presents a wide range of potential benefits, including:

- Optimizing the value of existing production and transmission capacity.
- Incorporating more renewable energy.
- Enabling step-function improvements in energy efficiency.
- Enabling broader penetration and use of energy storage option.
- Reducing carbon emissions by increasing system, load and delivery efficiencies.
- Improving power quality.

- Improving a utility's power reliability, operational performance, asset management and overall productivity.
- Enabling informed participation by consumers for empowering them to manage their energy usage.

11. Give the various domains of smart grid.

The various domains in conceptual model are generation, transmission, distribution, operation, service provider, market and customer.

12. Why smart grid is highly essential?

A smart grid can help utilities conserve energy, reduce costs, increase reliability and transparency, and make processes more efficient. The increasing use of IT based electric power systems, however increases cyper security vulnerabilities, which increases cyper security's importance.

13. Define dynamic capability rating.

Dynamic capability rating is defined as the ability to carry load based on electrical and environmental conditions. The real time load carrying determination of line, transformer in presence of line tension, temperature, wind speed can be considered as dynamic capability rating in a smart grid.

14. Define self-healing characteristics of smart grid.

Self-healing of smart grid is defined as automatic detection of faults and response to routine problems. Such response can quickly recover the fault while minimizing financial loss.

15. What are the needs for the smart grid?(Nov-Dec-21)

- Control power theft.
- Higher quality and reliable power supply, fewer blackouts.
- Affordable energy with reliable, scalable and manageable design.
- Growth justifies the cost i.e., down unit rate of power.
- Integration of renewable energy.

16. What are the key features of smart grid?

- Real time monitoring.
- Automated outage management and faster restoration.
- Dynamic pricing mechanisms.
- Load adjustment.
- Demand response support.
- Decentralized power generation.

17. Show the characteristics of an ideal smart grid. (Apr-May-21)

- Self-healing.
- Optimization of assets.
- Resist attack.
- Provides quality power.
- Accommodation of all generation and storage options.
- Motivates and includes the consumer.

18. Name few technologies that enable smart grid deployment.

Some of the enabling technologies that make smart grid deployments possible are

- Smart meters.
- Storage devices.
- Distributed generation.
- Renewable energy sources.
- Demand response / Demand side management.
- Integrated Communication technologies.

19. Name environmental improvements attained through smart grids.

Smart grid can bring several environmental improvements by:

- Managing peak load through demand response rather than spinning reserves.
- Reducing transmission losses through better management of transmission and distribution networks.
- Monitoring equipment in real time.
- Increasing transparency in electricity prices.
- Reducing new infrastructure construction.
- Integrating more renewable energy sources and energy storage.

20. What are challenges of smart grid implementation?

The major challenges to be faced during smart grid implementation are

- Government Support.
- Lack of policy and regulation.
- Speed of technology development.
- Compatible equipment.
- Capacity to absorb advanced technology.
- Consumer awareness.

21. List different smart appliances used in home and building automation. (Apr-May-21)

The list of different smart appliances used in home and building automation are smart bulbs, smart switches, smart plugs, Motion / Arrival Sensor, Door/Window Sensor, Alarms, smart wireless bells, smart door locks, security camera, virtual personal assistant, smart thermostat, Flood/Fire Sensors, UV sensors, smart TVs, and smart

22. Write down the national initiatives in Smart Grid. (Apr-May-22)

India has launched several initiatives in the field of smart grid technology to enhance the efficiency, reliability, and sustainability of its power sector. Some of the major initiatives are

- **National Smart Grid Mission (NSGM)** - The NSGM was launched in 2015 with the objective of creating a smart and efficient grid system in India. The mission aims to facilitate the adoption of smart grid technologies, promote research and development in the sector, and enhance the country's energy security.
- **Smart Grid Knowledge Portal** - The Smart Grid Knowledge Portal is an online platform that provides information on smart grid technologies, policies, and best practices. The portal is managed by the Ministry of Power and aims to promote knowledge sharing and collaboration among stakeholders.
- **Grid Connected Rooftop Solar Programme** - The Grid Connected Rooftop Solar Programme is an initiative of the Ministry of New and Renewable Energy. The program aims to promote the adoption of rooftop solar systems and integrate them with the smart grid to enhance energy efficiency.
- **Integrated Power Development Scheme (IPDS)** - The IPDS is a flagship program of the Ministry of Power that aims to strengthen the power distribution network in urban areas. The program includes the deployment of advanced technologies such as smart meters, distribution automation, and demand response systems.
- **National Electric Mobility Mission Plan (NEMMP)** - The NEMMP is a program of the Ministry of Heavy Industries and Public Enterprises that aims to promote the adoption of electric vehicles in India. The program includes the deployment of charging infrastructure that is integrated with the smart grid to manage the demand and supply of electricity.

UNIT II - SMART GRID TECHNOLOGIES

1. Name the technology drivers that build the smart grid.

The major challenges to be faced during smart grid implementation are

- Information and communication technologies.
- Sensing, measurement, control and automation technologies.
- Power electronics and energy storage technologies.
- Demand-side management.

2. What is Information and communications technology driver?

Information and communications technologies include

- Two-way communication technologies which is able to provide connectivity between various elements in the power system and loads.
- Open architecture for plug-and-play of home appliances and electric vehicles and micro-generation.
- Communication systems with the necessary software and hardware to alert customers with accurate information. Helping customers to trade in energy markets and enabling customers to provide DSM.
- Software to make sure and maintain the security information and standards to give scalability and interoperability of information and communication systems.

3. What do you mean by smart energy? (Apr-May-22)

Smart energy resources are defined as the new set of resources available to utilities to balance the supply-demand equation. They are renewable energy generation, energy storage and consumer demand management.

4. What is sensing, measurement, control and automation technology driver?

Sensing, measurement, control and automation technologies include:

- Intelligent Electronic Devices (IED) to offer advanced protective relaying, measurements, fault records and event records for the power system.
- Phasor Measurement Units (PMU) and Wide Area Monitoring, Protection and Control (WAMPAC) to make sure the power system security.
- Integrated sensors, measurements, control and automation systems and information and communication technologies to give rapid diagnosis and timely response to any event in various parts of the power system. These will support enhanced asset management and effective operation of power system components. They will relieve congestion in transmission and distribution circuits and to prevent or reduce potential outages and enable working autonomously when conditions require quick resolution.
- Smart appliances, communication, controls and monitors help to increase safety, comfort, convenience, and energy savings.
- Smart meters, communication, displays and associated software will permit customers to exercise wide choice and control over electricity and gas use. They will provide consumers with accurate bills. They will operate faster. They provide consumers trustworthy real-time information on their electricity and gas use and other related

5. What is power electronics and energy storage technology driver?

- High Voltage DC (HVDC) transmission and various schemes and Flexible AC Transmission Systems (FACTS) to provide long distance transport with the integration of renewable energy sources.
- Different power electronic interfaces and advanced electronic supporting devices to offer efficient integration of renewable energy sources and energy storage devices.
- Series capacitors, Unified Power Flow Controllers (UPFC) and other FACTS devices to offer excellent control over power flows in the AC grid.
- HVDC, FACTS and active filters combined with integrated communication system that gives control over greater system flexibility, supply reliability and power quality.
- Power electronic interfaces and integrated communication systems offer better performance by controlling renewable energy sources, energy storage and consumer loads.
- Energy storage to increase greater flexibility and reliability of the power system.

6. Illustrate Demand-Side Management.

Demand-Side management (DSM) is the modification of consumer demand for energy through different methods like financial incentives and behavioral change by means of education.

7. List out the categories of DSM.

Demand-Side management (DSM) is classified into three categories as Direct control of load, Local load control option and Distribution load control.

8. What are the constraints of DSM?

- Technological constraints.
- Economic constraints.
- Social constraints.
- Political and institutional constraints.

9. List out the types of smart energy resources?

Some of the most common renewable energy resources are solar PV, Solar Thermal Energy, Wind energy, Bio mass and Bio gas, Geo thermal power, Hydro power, Fuel cells, Tidal power.

10. State the advantages of renewable energy sources.

- Great reduction in emissions of greenhouse gases.
- Significant reduction in demand for peak electrical generation.
- Substituting investment in generation, transmission, or distribution assets.
- Improving the reliable operation of the electrical transmission or distribution grid.

11. What is solar PV generation?

PV represents a method of generating electric power in solar panels that are being exposed to light. Power generated is dependent on the conversion of the energy of the

radiation of sun. When a solar cell is exposed to light, electrons transfer between different bands inside the material. This, in turn, results in a potential difference between two electrodes, which caused direct current (DC) to flow.

12. What is solar thermal energy?

Solar thermal energy (STE) is a technology that converts solar energy into thermal energy (heat). Heat gain is gathered from the sun rays hitting the surface of the object. Then, heat is transferred by either conduction or convection. And high- temperature collectors are used for electric power production.

13. How biomass energy is harnessed?

Biomass energy production refers to power production from dead trees, wood chips, plant or animal matters which are used for production of chemical or heat. Technologies linked with biomass conversion to electrical energy include releasing energy in the form of heat which in turn is used for the electric power production.

14. What is hydro power production?

Hydropower plants utilize the energy of the moving water as the main source for electric power production. The water fall and gravitational force of this falling water hit the blades on the rotor which will cause the rotor to turn, thus producing electricity.

15. What is fuel cell?

A fuel cell is an electrochemical cell that uses the chemical energy of hydrogen or another fuel to produce electricity which is clean and efficient.

16. How tidal power is harnessed?

Tidal power harnesses the energy of tides into electricity. Water flows into the barrage during high tide and then it is released during low tide while moving a set of turbines. Tidal stream generators rotate underwater and produce electricity using the kinetic energy of tidal streams.

17. State the general functions of a substation.

The general functions of a substation are:

- Transformation of voltage level.
- Transmission and distribution power lines connecting point.
- Switch yard for electrical transmission and distribution system configuration.
- Monitoring point for the control center.
- Protection of power lines and other apparatus.
- Reliable communication with other substations and regional control centers.

18. What the challenges faced by substation designer when advanced technologies are used?

- Very high numbers of operating contingencies different from expected system design.
- High penetration of intermittent renewable and distributed energy resources, with their present characteristic of limited controllability and dispatch ability.
- Power quality issues (voltage and frequency variation) that cannot be readily addressed

- Effective and highly distributed, advanced control and operations logic.
- Slow response during quickly developing disturbances.
- Adaptability of advanced protection schemes to rapidly changing operational behavior due to the intermittent nature of renewable and DER (Distributed Energy Resources).

19. Classify substation based on their types.

Substations are classified as Transmission substation, Sub-transmission substation and Distribution substation.

20. Outline the objectives of smart substation.

The following are the objectives of smart substation :

- The real time testing of intelligent distribution with highest reliability and control this will drive the underlying grid.
- Ensuring automatic energy saving concepts and systems for the satisfaction and convenience of consumers.
- Providing a reasonable, reliable and affordable electricity supply to consumers.

21. Name the features of smart substation.

- Gathering information about power flows and stabilizing it in the medium a low voltage networks.
- Incorporating intelligent devices for all kind of operations.
- Ensuring whether all control and protection devices have been networked properly.
- Maintaining the voltage levels of all networks efficiently.
- Minimizing power shortages and identifying power theft.
- Reducing power quality problems such as harmonics, sudden voltage drops and flicker.
- Ensuring the formation of microgrids and increasing their autonomous operation.

22. What is IED?

An intelligent electronic device (IED) is an integrated microprocessor-based controller of power system equipment, such as circuit breakers, transformers and capacitor banks.

23. Explain energy management system in smart grid briefly. (Apr-May-21)

An energy management system is a very important function necessary to increase efficiency and to provide best possible coordination between different energy sources. It is a system of computer-aided tools used by operators of electric utility grids to monitor, control, and optimize the performance of the generation or transmission system. Also, it can be used in small scale systems like microgrids.

24. What is RTU?

A remote terminal unit (RTU) is a microprocessor-controlled electronic device that interfaces objects in the physical world to a distributed control system or SCADA (supervisory control and data acquisition) system by transmitting telemetry data to a master system, and by using messages from the master supervisory system to control connected objects.

25. What is SCADA?

Supervisory control and data acquisition (SCADA) is a control system architecture comprising computers, networked data communications and graphical user interfaces (GUI) for high-level process supervisory management. It may also have other peripheral devices like programmable logic controllers (PLC) and discrete proportional integral derivative (PID) controllers to interface with process plant or machinery. The use of SCADA has been considered also for management and operations of project-driven-process in construction. The key characteristic of a SCADA system is its ability to perform a supervisory operation over a variety of other proprietary devices.

26. What are three levels of equipment function in substation automation?

The configuration of modern substation automation consists of three levels of equipment function: The station level function, The bay level function and The Process level function.

27. What is smart substation?

The concept of smart substation is to construct a thoroughly intelligent substation environment where all the devices can work and collaborate on the same network. With the help of intelligent electronic devices it becomes easy to control the substation and empower remote users to manage system devices.

28. What is feeder automation?

Feeder automation is a constituent of distribution automation system, which principally focuses on remote monitoring and control of the distribution systems and their equipment.

29. What is substation automation?

Substation automation system is a collection of hardware and software components that are used to monitor and control an electrical system, both locally and remotely. It also refers to using data from intelligent electronic devices (IEDs) which are having control & automation capabilities within the substation. They receive control commands from remote users to control power system devices.

30. List out few feeder automation functions.

The following are the few feeder automation functions:

- Fault identification, Faulty part isolation, and service restoration.
- Network reconfiguration.
- Load management/demand response.
- Active and reactive power control.
- Power factor control.
- Short-term load forecasting.
- Three-phase unbalanced power flow.

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Department of Electrical and Electronics Engineering
Academic Year: 2022 – 2023 (Even Semester)
Professional Elective VI - Name list

Degree, Semester & Branch: VIII Semester B.E. EEE
Course Code & Name: EE8019- Smart Grid

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9.	953619105021	SHARMA KUMAR S
10.	953619105022	SUNIL RAM D M
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A. Content Beyond Syllabus Plan:

Sl. No.	Topic(s) to be taught	Instructional Methods	TLO/ CO *(1,2,3..)* Mapping *(Optional)*	Relevance to POs & PSOs	Remarks (*Suggested Stake Holder*)
1.	OFDM - Orthogonal Frequency Division multiplexing	PPT	TLO 2/ CO4	PO1, PO2, PO3, PO4 & PSO1, PSO3	Feedback received from Domain members

B. Tutorial Plan: *(if applicable)*

Tutorial No.	Topic(s)	TLO Mapping *(1,2,…)*	CO Mapping *(1,2,3..)*
-	-	-	-

C. Assignment Plan:

Assignment No.	Topic(s)	TLO Mapping *(1,2,…)*	CO Mapping *(1,2,3..)*
1.	BSC and Source Coding Theorem, Delta Modulation and DPCM	TLO 2, TLO 5	CO1, CO2
2.	Line coding, Correlative coding and Adaptive Equalization	TLO 6, TLO 10	CO2, CO3
3.	Digital Modulation Schemes, Channel Coding Theorem	TLO 12, TLO 15	CO4, CO5

D. Details of e-Learning Sources (Videos):

Sl. No.	Title of NPTEL / MIT/ Matlab/ Online Video & Link	Matching with the topic vide Lecture No.	TLO Mapping *(1,2,…)*	CO Mapping *(1,2,3..)*
1.	Huffman Coding- (NPTEL- Digital Communication- CDEEP- Lecture No: 26)	Lecture No:09	TLO 3	CO1
2.	Delta Modulation- (NPTEL- Communication Engineering – Lecture No: 40)	Lecture No:12	TLO 2	CO2
3.	Quadrature Amplitude Modulation- (NPTEL- Communication Engineering– Lecture No: 9)	Lecture No:33	TLO 2	CO4

RECORD OF CLASS WORK

Date	Period	Cumulative Hours	Topics Covered	Instructional Methods	Initial
			Unit-V		
			Error Control coding		
03.11.2022	6	38	Introduction-channel	Passive	
			coding Theorem, Blockcodes	Learning	
04.11.2022	5	39	Linear Block codes	Passive Learning	
05.11.2022	5	40	Hamming codes	Passive Learning Exitslip	
08.11.2022	3	41	Cyclic codes	Passive Learning	
10.11.2022	1	42	Syndrome Decoder	Passive Learning	
10.11.2022	6	43	Convolutional codes	Passive Learning	
11.11.2022	5	44	State diagram & Representation	Passive Learning	
11.11.2022	8	45	Trellis diagram	Passive	
			Viterbi decoder	Learning	
14.11.2022	6	46	Viterbi decoder &	Passive	
			Revision	Learning	
					23/11/22
03.12.2022	1	47	Verilog Programming	&	11.00
03.12.2022	2	48	for combinational	Passive	
03.12.2022	3	49	logic circuits &	Learning	
03.12.2022	1	50	Revision		
3.12.2022	8	51	OFDM, Revision	PPT	2/12/22

RECORD OF CLASS WORK

Date	Period	Cumulative Hours	Topics Covered	Instructional Methods	Initial
12.11.22	04	44	Trellis diagram for convolutional codes	passive Learning	
25.11.22	07	45	viterbi decoder & revision	passive Learning	
03.12.22	01	46	OFDM - Orthogonal frequency Divisional multiplexing	passive Learning	
03.12.22	02	47	Revision	-	
03.12.22	03	48	Revision	-	

6/12/22

D. Content Beyond Syllabus Plan:

Sl. No.	Topic(s) to be taught	Instructional Methods	TLO/ CO *(1,2,3..)* Mapping *(Optional)*	Relevance to POs & PSOs	Remarks *(Suggested Stake Holder)*
1.	OFDM - Orthogonal Frequency Division multiplexing	PPT	TLO 2/ CO4	PO1, PO2, PO3, PO4 & PSO1, PSO3	Feedback received from Domain members

E. Tutorial Plan: *(if applicable)*

Tutorial No.	Topic(s)	TLO Mapping *(1,2,...)*	CO Mapping *(1,2,3..)*
-	-	-	-

F. Assignment Plan:

Assignment No.	Topic(s)	TLO Mapping *(1,2,...)*	CO Mapping *(1,2,3..)*
1.	BSC and Source Coding Theorem, Delta Modulation and DPCM	TLO 2, TLO 5	CO1, CO2
2.	Line coding, Correlative coding and Adaptive Equalization	TLO 6, TLO 10	CO2, CO3
3.	Digital Modulation Schemes, Channel Coding Theorem	TLO 12, TLO 15	CO4, CO5

G. Details of e-Learning Sources (Videos):

Sl. No.	Title of NPTEL / MIT/ Matlab/ Online Video & Link	Matching with the topic vide Lecture No.	TLO Mapping *(1,2,...)*	CO Mapping *(1,2,3..)*
1.	Huffman Coding- (NPTEL-Digital Communication-CDEEP- Lecture No: 26)	Lecture No:09	TLO 3	CO1
2.	Delta Modulation- (NPTEL-Communication Engineering – Lecture No: 40)	Lecture No:12	TLO 2	CO2
3.	Quadrature Amplitude Modulation- (NPTEL-Communication Engineering– Lecture No: 9)	Lecture No:33	TLO 2	CO4

RECORD OF CLASS WORK

Date	Period	Cumulative Hours	Topics Covered	Instructional Methods	Initial
25/11/22	07	42	Logic families and their characteristics RTL, TTL	Roleplay	
28/11/22	02	43	Logic families and their characteristics - ECL, CMOS	passive Learning	
30/11/22	04	44	comparisions of logic families	passive Learning	
01/12/22	06	45	Implementation of combinational logic circuits using ICs, PROM, PLA, PAL	passive Learning/ NPTEL	
01/12/22	07	46	Implementation of combinational logic circuits using ICs, PROM, PLA, PAL	concept Test	
05/12/22	02	47	Basic Memory structure - Static ROM	Passive Learning	
07/12/22	04	48	PROM, EPROM	Passive Learning	
					7/12/22
09/12/22	07	49	EEPROM, EAPROM and Revision	Passive Learning	
12/12/22	02	50	Vhdl programming for combinational logic circuit	Passive Learning	
20/12/22	01	51	IAT-II Revision	-	
20/12/22	02	52	IAT-II Revision	-	
20/12/22	03	53	IAT-II Revision	-	
20/12/22	04	54	IAT-II Revision	-	

D. Content Beyond Syllabus Plan:

Sl. No.	Topic(s) to be taught	Instructional Methods	TLO/ CO Mapping	Relevance to POs & PSOs	Remarks
1.	Verilog programming for combinational logic circuits	Passive Learning	TLO 7 / CO2	PO:1,2,3, 5,12 & PSO:3	-

E. Tutorial Plan:

Tutorial No.	Topic(s)	TLO Mapping	CO Mapping
-	-	-	-

F. Assignment Plan:

Assignment No.	Topic(s)	TLO Mapping	CO Mapping
1.	Karnaugh map Minimization and Quine-McCluskey method of minimization and NAND – NOR implementation	TLO 4	CO1
	Adders and Magnitude comparators	TLO 8	CO2
	Multiplexer, Demultiplexer, Encoder and Decoder.	TLO 9, TLO 10	CO2
2.	Design and Analysis of Counters, Shift Registers.	TLO 13	CO3
	Problems in Asynchronous Sequential circuits, Hazards and its types.	TLO 17, TLO 18	CO4
	Programmable Logic Devices – PLA, PAL, PROM.	TLO 22, TLO 23	CO5

G. Details of e-Learning Sources (Videos):

Sl.No.	Title of NPTEL / MIT/ Matlab/ Online Video & Link	Matching with the topic vide Lecture No.	TLO Mapping	CO Mapping
1.	Boolean Algebra (NPTEL-Digital Systems Design -Lecture No.:07)	Lecture No: 5	TLO 3	CO1
2.	Carry Look Ahead Adders (NPTEL- Digital Circuits and System-Lecture No.:12)	Lecture No: 16	TLO 21	CO6

28.	Difference Equation- Natural & Forced Response, Total Response	Active learning- Sorting strips	TLO21, TLO22	CO5
29	Discrete Fourier Transform and Z Transform Analysis of Recursive & Non-Recursive systems	Passive learning	TLO21, TLO22	CO5
30.	DT systems connected in series and parallel	Passive learning	TLO23	CO5
31.	DT systems connected in series and parallel, Revision	Passive learning	TLO23	CO5

Teaching Aids to be used:

- ❖ Whiteboard
- ❖ Power Point Presentation
- ❖ Digital Writing Pad

C. Bridge Course Plan:

Sl.No.	Topic(s) to be taught	Instructional Methods	TLO/ CO Mapping
1.	Introduction, Basic Operation of Signals - Time Shifting	Passive learning	TLO2/ CO1
2.	Basic Operation of Signals - Time Scaling	Passive learning	TLO2/ CO1
3.	Basic Operation of Signals – Amplitude Scaling	Passive learning	TLO2/ CO1
4.	Basic Operation of Signals - Time Reversal	Passive learning	TLO2/ CO1
5.	Basic Operation of Signals – Signal Addition, Multiplication	Passive learning	TLO2/ CO1

D. Content Beyond Syllabus Plan:

Sl. No.	Topic(s) to be taught	Instructional Methods	TLO/ CO Mapping	Relevance to POs & PSOs	Remarks
1.	Classification of signals- Even and Odd signals, Causal & Non-Causal Signals	Passive learning	TLO3 / CO1	PO1,PO2, PO5,PO8, PO10, PO11,PSO1	As questions were asked in the previous university examinations, this topic is included as content beyond syllabus plan

E. Tutorial Plan:

Tutorial No.	Topic(s)	TLO Mapping	CO Mapping
T1	Problems in Classification of Signals- Periodic & Aperiodic signals,	TLO3	CO1
T2	Problems in Classification of Signals-Energy & Power signals	TLO3	CO1

Scanner by Droid-Veda

RECORD OF CLASS WORK

Date	Period	Cumulative Hours	Topics Covered	Instructional Methods	Initial
			Random signals, Energy & Power signals	Passive learning	
3.9.22	5	5	Classification of Signals - Even & Odd signals, Causal & Non-Causal signals (CONTENT BEYOND SYLLABUS - TOPIC)	"	
5.9.22	1	6	Classification of Systems - CT & DT systems, linear & Non-linear, Time-Variant & Time Invariant	Passive learning	
6.9.22	2	7	Classification of Systems - Causal and Non-Causal, Stable & Unstable	"	
			Revision (Mind Map)	"	
7.9.22	5	8	UNIT-II		
			ANALYSIS OF CONTINUOUS TIME SIGNALS		
			Introduction, Trigonometric Fourier Series	Passive learning	
7.9.22	7	T2	Problems in Classification of Signals - Energy & Power Signals	"	
8.9.22	4	T3	Problems in Operation of CT signals	"	
9.9.22	2	9	Fourier Series for Periodic signals - Cosine Fourier Series	Passive learning	
12.9.22	1	10	Exponential Fourier Series	"	
12.9.22	3	11	Fourier Series for Periodic signals - Properties	"	

Scanner by Droid-Veda

35.	SER in frequency selective fading channels	Passive Learning	TLO 15	CO 4
36.	RAKE receiver, Revision	Open Book Test (Library)	TLO 16	CO 4
	UNIT V - MULTIPLE ANTENNA TECHNIQUES			
37.	Introduction to MIMO systems	Passive Learning	TLO 17	CO 5
38.	Spatial Multiplexing and system model	Passive Learning	TLO 17	CO 5
39.	Precoding	Passive learning	TLO 18	CO 5
40.	Beamforming	Passive learning	TLO 18	CO 5
41.	Transmitter diversity	Quescussion	TLO 18	CO 5
42.	Receiver diversity	Passive learning	TLO 18	CO 5
43.	Channel State information	Passive Learning	TLO 19	CO 5
44.	Capacity in fading and non-fading channels	Passive Learning	TLO 19	CO 5
45.	Comparison of beamforming, receiver diversity and transmitter diversity, Revision	Reciprocal Peer Questioning	TLO 19	CO 5

* Since Unit II is prerequisite for all other units, the lecture plan has been planned accordingly

Teaching Aids to be Used:

- Whiteboard
- LCD

C. Bridge Course Plan: *(Optional)*

Sl.No.	Topic(s) to be taught	Instructional Methods	TLO/ CO Mapping *(1,2,3..) (Optional)*
1.	-	-	-

D. Content Beyond Syllabus Plan:

Sl. No.	Topic(s) to be taught	Instructional Methods	TLO/ CO *(1,2,3..)* Mapping *(Optional)*	Relevance to POs & PSOs	Remarks (*Suggested Stake Holder*)
1.	Multiuser MIMO	Passive Learning	CO5	PO:1,2,3, 9,10,12 PSO:1,3	Faculty & Alumni

RECORD OF CLASS WORK

Date	Period	Cumulative Hours	Topics Covered	Instructional Methods	Initial
			UNIT V		
			MULTIPLE ANTENNA		
			TECHNIQUES		
19.04.23	7	45	INTRODUCTION TO MIMO SYSTEMS	ANIMATED VIDEO	
24.04.23	8	46	SPATIAL MULTIPLEXING	PASSIVE	
24.04.23	5	47	SYSTEM MODEL	LEARNING	
26.04.23	7	48	PRECODING	PASSIVE LEARNING	
27.04.23	1	49	BEAMFORMING	PASSIVE LEARNING	
29.04.23	4	50	TRANSMITTER DIVERSITY	QUESCUSSION	
03.05.23	5	51	RECEIVER DIVERSITY	PASSIVE LEARNING	
03.05.23	7	52	CHANNEL STATE	PASSIVE	
			INFORMATION	LEARNING	
04.05.23	1	53	CAPACITY IN FADING &	PASSIVE	
			NON-FADING CHANNELS	LEARNING	
06.0523	1	54	COMPARISON OF BEAM-	RECIPROCAL	
			FORMING, RECEIVER	PEER QUESTIONING	
			DIVERSITY & TRANSMITTER		
			DIVERSITY	PASSIVE	
16.05.23	1	55	REVISION, MULTIUSER	LEARNING.	
16.05.23	2,3,4	58	REVISION FOR MIMO IAT III		
16.05.23	5,6,7,8	62	IAT III		

30.5.23

RECORD OF CLASS WORK

Date	Period	Cumulative Hours	Topics Covered	Instructional Methods	Initial
04.05.23	07	52	Probability of Error evaluations	Passive Learning	
04.05.23	08	53	Probability of Error evaluations	Passive Learning	
06.05.23	06	54	Baseband pulse Transmission	Passive Learning	
09.05.23	05	55	Intersymbol interference	Simulation	
09.05.23	06	56	Optimum demodulation of digital signals over band limited channels	Passive Learning	
09.05.23	08	57	Optimum demodulation of digital signals over band limited channels; Revision	Passive Learning	
17.05.23	01	58	Orthogonal Frequency Division Multiplexing	Passive Learning	
17.05.23	02	59	IAT-II Revision	—	
17.05.23	03	60	IAT-II Revision	—	
17.05.23	04	61	IAT-II Revision	—	

C. Bridge Course Plan:

Sl.No.	Topic(s) to be taught	Instructional Methods	TLO/ CO Mapping *(Optional)*
1.	-	-	-

D. Content Beyond Syllabus Plan:

Sl. No.	Topic(s) to be taught	Instructional Methods	TLO/ CO Mapping *(Optional)*	Relevance to POs & PSOs	Remarks
1.	Orthogonal Frequency Division Multiplexing	Passive learning	-	PO 1, 2, 3, 4, 5, 8, PSO 1, 3, 4	Students and Faculty members

E. Tutorial Plan: *(if applicable)*

Tutorial No.	Topic(s)	TLO Mapping	CO Mapping
-	-	-	-

F. Assignment Plan:

Assignment No.	Topic(s)	TLO Mapping	CO Mapping
1.	Analog Modulation, Random Process, Sampling and Pulse Modulation	TLO2, TLO4, TLO9, TLO13, TLO17	CO1, CO2, CO3
2.	Channel coding, Digital Modulation Techniques and Demodulation techniques	TLO18, TLO23, TLO26	CO3, CO4, CO5

G. Details of e-Learning Sources (Videos):

Sl. No.	Title of NPTEL / MIT/ Matlab/ Online Video & Link	Matching with the topic vide Lecture No.	TLO Mapping	CO Mapping
1.	Hilbert Transform (NPTEL - Communication Engineering - The Hilbert Transform- Lecture No.:04)	Lecture No.:11	TLO6, 7	CO1
2.	Gaussian Process and its properties (NPTEL - Communication Engineering - Gaussian Random Processes- Lecture No.:32)	Lecture No.:14	TLO10	CO2
3.	Noise performance analysis in AM systems	Lecture No.:15	TLO11	CO2

46.	Design for Testability: Scan Design	Collaborative Learning (Flipped Classroom)	TLO 16	CO 5
47.	Design for Testability: BIST	Passive Learning	TLO 16	CO 5
48.	Design for Testability: IDDQ Testing	Passive Learning	TLO 16	CO 5
49.	Design for Manufacturability	Passive Learning	TLO 16	CO 5
50.	Boundary Scan	Passive Learning	TLO 16	CO 5
51.	Revision	Passive Learning	TLO 14,15,16	CO 5

Teaching Aids to be Used:

- Whiteboard
- Power point Presentation
- LCD Projector

C. Bridge Course Plan: *(Optional)*

Sl.No.	Topic(s) to be taught	Instructional Methods	TLO/ CO Mapping *(1,2,3..) (Optional)*
1.	-	-	-

D. Content Beyond Syllabus Plan:

Sl. No.	Topic(s) to be taught	Instructional Methods	TLO/ CO *(1,2,3..)* Mapping *(Optional)*	Relevance to POs & PSOs	Remarks (*Suggested Stake Holder*)
1.	Full Custom ASIC and Semi-Custom ASIC Design	PPT	TLO14 / CO5	PO1, PO2, PO3 ,PO4, PO5, & PSO3,PO4	Based on the discussion with peer faculty members

E. Tutorial Plan: *(if applicable)*

Tutorial No.	Topic(s)	TLO Mapping *(1,2,...)*	CO Mapping *(1,2,3..)*
T1	-	-	-

RECORD OF CLASS WORK

Date	Period	Cumulative Hours	Topics Covered	Instructional Methods	Initial
			Unit - V		
			Implementation Strategies and Testing		
3.5.23	8	49	Introduction to FPGA Building Block Architectures.	Passive Learning	
3.5.23	9	50	FPGA Building Block Architectures	Passive Learning	
4.5.23	5	51	FPGA Interconnect Routing Procedures	Passive Learning (NPTEL Video)	
4.5.23	8	52	Design For Testability: Ad Hoc Testing	Passive Learning	
4.5.23	9	53	Design For Testability: Scan Design	Collaborative Learning (Flipped Classroom)	
6.5.23	5	54	Design For Testability: IDDQ Testing	Passive Learning	
6.5.23	8	55	Design For Testability: IDDQ Testing	Passive Learning	
6.5.23	9	56	Design For Manufacturability	Passive Learning	
8.5.23	3	57	Boundary Scan	Passive Learning	
17.5.23	1	58	Revision	Passive Learning	
			Content Beyond Syllabus		
17.5.23	2	59	Full Custom ASIC and Semi Custom ASIC Design	Passive Learning	

Department of Computer Science and Engineering
Academic Year 2022– 2023(Odd Semester)
Degree, Semester & Branch: B.E, V & EEE (A and B Section)
Course Code & Title: CS8392 & Object Oriented Programming
Name of the Faculty member (s): Dr. I Gethzi Ahila Poornima

Innovative Practice Description

- **Unit / Topic: Unit II / Strings**
- **Course Outcome:** CO 2
- **Topic Learning Outcome:** TLO 5
- **Activity Chosen:** Active Learning- Learning by Teaching
- **Justification:**

  The students will benefit from working on Java projects that require additional string handling procedures if they are familiar with the String class and its accompanying methods. The students could use more online resources and be better comfortable with Java's String fundamentals by studying up before class.
- **Time Allotted for the Activity:** 30 Minutes
- **Details of the Implementation:**

  Five days before the event, the students were informed about the topic and the event itself so they would have time to prepare. Two to thres students from each section were chosen at random to present their topic on the board or using a power point show. Ms. V.Sabarisha, III EEE ‘A”, and Mr. R. Chandru, III EEE ‘B’and explained about String class and its associated various string handling methods. Later Ms.P/Kayavizhi, III EEE ‘A’, Mr. S.Arun Kumar, III EEE ‘A’ and Mr.S.Vijay Anandh, III EEE ‘B’ explained sample program to illustrate various string handling methods. Figure 1 shows a few sample photographs taken during this event.
- **CO – PO / PSO mapping:**

CO	PO1	PO2	PO3	PO12	PSO1
CO2	1	2	2	2	2

(1 – Low 2 – Moderate 3 – High)

PO / PSO mapped:

Innovative practice	PO1	PO2	PO3	PO12	PSO1
	1	2	2	2	2
Justification for correlation	**S**tudents will be able to apply the concepts of engineering mathematics, basic computer	The students will evaluate problem statements and identify modules and	The students will be able to implement and	The student will identify the technological advances made in the	Students will be able to design solution for analyzing the

	concepts, and mathematical logics to develop solutions to the complex problems by developing java projects involving various string handling methods.	parameters to solve a programs using Strings.	integrate the modules designed using Strings.	past in interfaces and learn to update the concepts .	performance of any electrical system by developing interactive applications.

- **Images / Screenshot of the practice:**







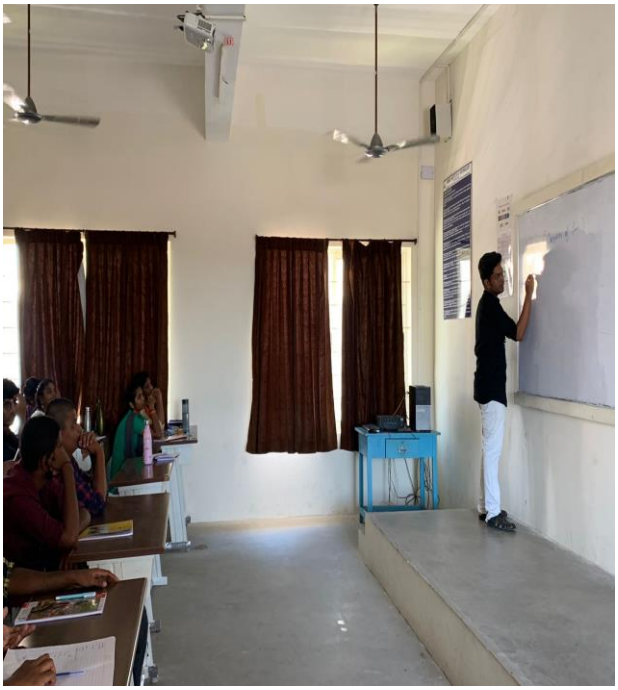



Figure 1: Sample photos

- **Reflective Critique:**
  - ❖ ***Feedback of practice from students and other stakeholders:***
    - • The practise made all of the students happy because it allowed them to thoroughly prepare for the subject.
  - ❖ ***Benefit of the practice:***
    - By explaining the principles, they were able to retain this information effortlessly.
    - They were also well-prepared for any questions that might be raised throughout the session.
  - ❖ ***Challenges faced in implementation:***
    - A very few pupils were reluctant to offer their views on stage.

Signature of Faculty Member **HOD**

Department of Computer Science and Engineering
Academic Year 2022 – 2023 (Odd Semester)

Degree, Semester & Branch: VII Semester B.E Computer Science and Engineering
Course Code & Title: CS8792 Cryptography and Network Security
Name of the Faculty member (s): Dr.R.Venkatesh, AP (SG)/CSE

Innovative Practice Description

- **Unit / Topic: Unit I /** Steganography
- **Course Outcome:** CO1
- **Topic Learning Outcome:** TLO3
- **Activity Chosen:** Worksheet
- **Justification:**

  Quite apart from transferring theoretical concepts to students, it is great practice to have a prototype, presentation, or real-world examples. Worksheets are a type of model in which the concept of Steganography can be easily transferred and students can grasp the concept with a real understanding.

Time Allotted for the Activity:

- **Procedure of the Implementation:**

  A random paragraph was chosen and printed, with some characters punctured with a safety pin. When the punctured characters are read in order, a secret message is produced. Students were instructed to find the hidden message in the given paragraph.

- **Details of the Implementation**
  - First of all, teacher taught the topics and provide the worksheet with the pin punctures, without telling any information about the pin puncture to the students.
  - Initially, students were not able to find the pin punctures, but some of the students revised the steganography content, and they identified the pin punctures while showing in front of the light.
  - Finally, the students shared their ideas and identified confidential messages bases on their worksheet.
  - The Figure 1 shows the Worksheet activity done by the students.
  - Finally, teacher and students discussed the answers of all questions at the end of the activity.

- **CO – PO / PSO mapping:**

CO	PO1	PO2	PO4	PO11	PSO2
CO1	3	2	3	1	2

(1 – Low 2 – Moderate 3 – High)

- **Images / Screenshot of the practice:**

RAMCO INSTITUTE OF TECHNOLOGY

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Department of Computer Science and Engineering
Academic Year: 2022-2023(Odd Semester)
Degree, Semester& Branch: VII Semester B.E. Computer Science and Engineering
Course Code & Title: CS8792 Cryptography and Network Security
Name of the Faculty member: Dr.Venkatesh, AP(SG)/CSE
Date: 18.08.2022

Work Sheet I

The Challenges of Computer Security

Computer and network security is both fascinating and complex. Some of the reasons follow:

1. Security is not as simple as it might first appear to the novice. The requirements seem to be straightforward; indeed, most of the major requirements for security services can be given self-explanatory, one-word labels: confidentiality, authentication, nonrepudiation, or integrity. But the mechanisms used to meet those requirements can be quite complex, and understanding them may involve rather subtle reasoning.
2. In developing a particular security mechanism or algorithm, one must always consider potential attacks on those security features. In many cases, successful attacks are designed by looking at the problem in a completely different way, therefore exploiting an unexpected weakness in the mechanism.
3. Because of point 2, the procedures used to provide particular services are often counterintuitive. Typically, a security mechanism is complex, and it is not obvious from the statement of a particular requirement that such elaborate measures are needed. It is only when the various aspects of the threat are considered that elaborate security mechanisms make sense.
4. Having designed various security mechanisms, it is necessary to decide where to use them. This is true both in terms of physical placement (e.g., at what points in a network are certain security mechanisms needed) and in a logical sense (e.g., at what layer or layers of an architecture such as TCP/IP [Transmission Control Protocol/Internet Protocol] should mechanisms be placed).
5. Security mechanisms typically involve more than a particular algorithm or protocol. They also require that participants be in possession of some secret information (e.g., an encryption key), which raises questions about the creation, distribution, and protection of that secret information. There also may be a reliance on communications protocols whose behaviour may complicate the task of developing the security mechanism. For example, if the proper functioning of the security mechanism requires setting time limits on the transit time of a message from sender to receiver, then any protocol or network that introduces variable, unpredictable delays may render such time limits meaningless.
6. Computer and network security is essentially a battle of wits between a perpetrator who tries to find holes and the designer or administrator who tries to close them. The great advantage that the attacker has is that he or she need only find a single weakness, while the designer must find and eliminate all weaknesses to achieve perfect security.
7. There is a natural tendency on the part of users and system managers to perceive little benefit from security investment until a security failure occurs.

Decrypted Confidential Message: Pls help me I I wounded.

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Department of Computer Science and Engineering
Academic Year: 2022-2023(Odd Semester)
Degree, Semester& Branch: VII Semester B.E. Computer Science and Engineering
Course Code & Title: CS8792 Cryptography and Network Security
Name of the Faculty member: Dr.Venkatesh, AP(SG)/CSE
Date: 18.08.2022

Work Sheet II

the relative frequencies of individual letters exhibit a much greater range than that of digrams, making frequency analysis much more difficult. For these reasons, the Playfair cipher was for a long time considered unbreakable. It was used as the standard field system by the British Army in World War I and still enjoyed considerable use by the U.S. Army and other Allied forces during World War II. Despite this level of confidence in its security, the Playfair cipher is relatively easy to break, because it still leaves much of the structure of the plaintext language intact. A few hundred letters of ciphertext are generally sufficient. One way of revealing the effectiveness of the Playfair and other ciphers is shown in Figure 3.6. The line labeled *plaintext* plots a typical frequency distribution of the 26 alphabetic characters (no distinction between upper and lower case) in ordinary text. This is also the frequency distribution of any monoalphabetic substitution cipher, because the frequency values for individual letters are the same, just with different letters substituted for the original letters. The plot is developed in the following way: The number of occurrences of each letter in the text is counted and divided by the number of occurrences of the most frequently used letter. Using the results of Figure 3.5, we see that e is the most frequently used letter. As a result, e has a relative frequency of 1, t of $9.056/12.702 \approx 0.72$, and so on. The points on the horizontal axis correspond to the letters in order of decreasing frequency. Figure 3.6 also shows the frequency distribution that results when the text is encrypted using the Playfair cipher. To normalize the plot, the number of occurrences of each letter in the ciphertext was again divided by the number of occurrences of e in the plaintext. The resulting plot therefore shows the extent to which the frequency distribution of letters, which makes it trivial to solve substitution. An Army Signal Corp officer, Joseph Mauborgne, proposed an improvement to the Vernam cipher that yields the ultimate in security. Mauborgne suggested using a random key that is as long as the message, so that the key need not be repeated. In addition, the key is to be used to encrypt and decrypt a single message, and then is discarded. Each new message requires a new key of the same length as the new message. Such a scheme, known as a one-time pad, is unbreakable. It produces random output that bears no statistical relationship to the plaintext.

Decrypted Confidential Message: Meet capt at lobby.



Figure 1 – Students trying to find out the Hidden Message

- **PO / PSO mapped:**

Innovative practice	**PO1**	**PO2**	**PO4**	**PO11**	**PSO2**
	3	2	3	1	2
Justification for correlation	Basic Computer Science Engineering and mathematics Knowledge for performing classical encryption is highly correlated	Analyzing various classical encryption algorithms is moderately correlated	Investigate various aspects of cryptanalysis is highly correlated	Deploying classical encryption security principles in the projects are weakly correlated	Providing solution to real world problems with classical encryption principles are moderately correlated

- **Reflective Critique:**
  - ***Feedback of practice from students and other stakeholders:***
    Students believe that their self-learning has improved. They realized how to communicate with the concept of secret writing.
  - ***Benefit of the Practice***
    During the activity, student's coordination and attention were highly increased and same has been appreciated. They learnt how ancient cryptology methods were practiced over the period decades.
  - ***Challenges faced in implementation:***
    The activity should be carried out with dedicated hour. Since the activity clubbed with other topics, class room arrangement for proper lighting consumes little time.

References:

- https://www.teachingenglish.org.uk/sites/teacheng/files/Innovation_is_Great_student_worksheets.pdf
- William Stallings, Cryptography and Network Security: Principles and Practice, PHI 3rd Edition, 2006.

Signature of Faculty Member **HOD-CSE**

Department of Computer Science and Engineering
Academic Year 2022 – 2023 (Odd Semester)

Degree, Semester & Branch: I Semester B.E. CSE 'A'
Course Code & Title: GE3151 Problem Solving and Python Programming
Name of the Faculty member (s): Mrs.B.Vijayalakshmi, AP (SG)/CSE

Innovative Practice Description

- **Unit / Topic: Unit I / Illustrative Problem: Towers of Hanoi**
- **Course Outcome:** CO1
- **Topic Learning Outcome:** TLO3
- **Activity Chosen: Role play**
- **Justification:**
  The role play helps the students to play and understand the basics of theories handled. The solving of Towers of Hanoi is an interesting game but the recursion concept behind this problem is difficult to understand. In order to provide the clear understanding of recursion the roleplay activity was conducted.
- **Time Allotted for the Activity: 10 Minutes**
- **Details of the Implementation:**
  - Role play is used to show a live demonstration of how a particular task will be handled. It gives a clear understanding to the students while they are involving in that activity.
  - The faculty member explained the concept of solving the Towers of Hanoi problem.
  - 3 students are asked to play the role of source tower, destination tower and auxiliary tower. The game rules are explained to them. They have to follow the rules to solve the problem.
  - Student 1 (Mr.Enbasankar) act as a source tower has 3 objects as shown in Figure 1. Based on the rule the object should be moved to destination tower (student 3- Mr.Asrar Siddiq) with the help of auxiliary tower (student 2- Mr.Thiruramkumar) in the same order.
  - Figure 2 shows the movement of disk from 1 source to destination and the disk 2 to auxillary tower and the third disk in source tower.
  - Figure 3 shows the final stage where all the disks are moved to destination tower.
  - From this the students clearly understood the concept of recursion clearly.
  - Figure 1 shows the students involvement in the activity.
- **CO – PO / PSO mapping:**

CO	PO1	PO2	PO3	PO5	PO8	PO9	PO10	PO12	PSO1	PSO2	PSO3
CO5	3	2	2	2	1	1	1	1	3	2	3

(1 – Low 2 – Moderate 3 – High)

- **PO / PSO mapped:**

	PO1	PO2	PO3	PO9	PO10	PSO1

Innovative practice	**3**	**2**	**2**	**1**	**1**	**2**
Justification for correlation	The basic knowledge about recursion is needed	The students analyze the problem for solution finding solve.	The students find solution to solve the problem.	The students coordinate and demonstrate the activity as a team.	The students communicate how the problem solved.	The recursion concept is used in developing the software

- **Images / Screenshot of the practice:**

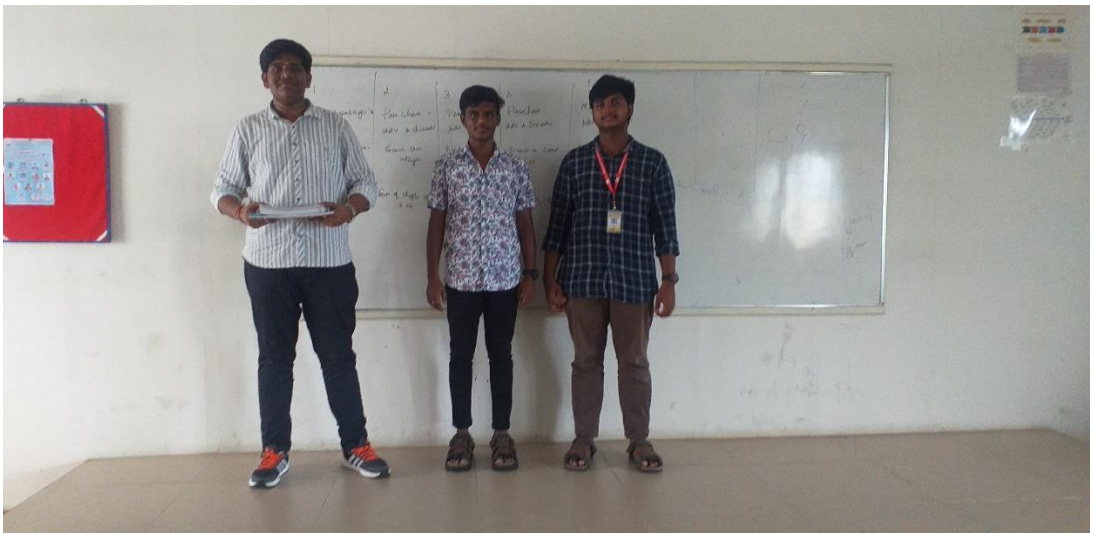

Figure 1: 3 Disks in Source tower (Mr.Enba Sankar)



Figure 2: Disk 1 in destination tower (Mr.Asrar Siddiq), Disk 2 in auxiliary tower(MR.Thiruramkumar) & Disk 3 in Source tower (Mr.Enba Sankar)



Figure 1: 3 Disks in Destination tower (Mr.Asrar Siddiq)

- **Reflective Critique:**
  - ❖ ***Feedback of practice from students and other stakeholders:***
    - They feel it is very interesting and told they understand how the to solve the towers of Hanoi.
    - The students are energetically involved and enjoyed the activity.
  - ❖ ***Benefit of the practice:*** (E.g.: Outcome attainment would have increased due to innovative practice over conventional practice)
    - It helps the students to understand the recursive procedure of solving the towers of Hanoi problem.
    - This activity makes the class more interactive.
  - ❖ ***Challenges faced in implementation:***
    - All the students cannot be involved in the activity.

References:

- https://www.ritrjpm.ac.in/images/computer-science/CS8493-OS-Roleplay.pdf
- https://www.ritrjpm.ac.in/images/computer-science/38_CS8391_Roleplay.pdf

Signature of Faculty Member **HOD**

Department of Computer Science and Engineering
Academic Year 2022– 2023(Even Semester)

Degree, Semester & Branch: B.E – VI Semester CSE
Course Code & Title: CS8651 Internet Programming
Name of the Faculty member (s): Ms.G.Sakthi Priya, AP/CSE

Innovative Practice Description

- **Unit / Topic: Unit I / Backgrounds – Border Images – Colors – Shadows – Text**
- **Course Outcome:** CO1
- **Topic Learning Outcome:** TLO3
- **Activity Chosen: Learning by Teaching**
- **Justification:**
  - Learning by teaching helps to improve student's knowledge and get updated to the latest technological developments.
  - CSS Background, Border Images, Colors and Shadows are used to design an attractive web pages. As the students already have knowledge on CSS which was learnt by them during the implementation of Mini Project in Object Oriented Analysis and Design, the Learning by Teaching activity is chosen.
- **Time Allotted for the Activity:** 30 Minutes
- **Details of the Implementation:**
  - Faculty asked the student to prepare for the topic "**Backgrounds – Border Images – Colors – Shadows – Text**" two weeks before the implementation of this activity.
  - The required materials were given to the student
  - The topics to be covered were instructed
  - The demo for the activity conducted before the implementation to test his **learning**
  - Finally, the student **taught** the topic to the class as shown in Fig 1
- **CO – PO / PSO mapping:**

CO	PO1	PO2	PO3	PO9	PO10	PO12
CO2	2	1	1	1	1	1

(1 – Low 2 – Moderate 3 – High)

- **PO / PSO mapped:**

Innovative practice	PO1	PO2	PO3	PO9	PO10	PO12
Justification for correlation	It makes the student to learn beyond the class room delivery and helps to explore a lot	Students will be able to design an attractive webpage using Background and Borders	Students will be able to provide solutions to the complex problem by dividing into sub problems using	As the student is taking the class, her/his individuality can be improved. It leads to peer-	Students communication skill will be improved as they are facing the audience and teaching the	The teaching and self learning skill earned through this activity helps the students in

		according to the problem	function concept	to-peer learning	concepts	knowing and solving various problems

- **Images / Screenshot of the practice:**

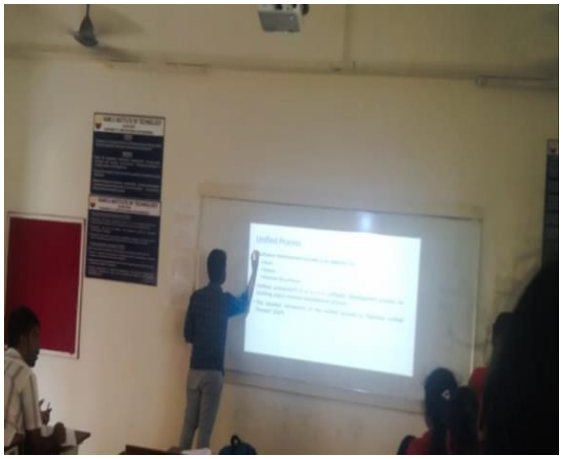


Fig 1: Learning by teaching activity

- **Reflective Critique:**
  - ***Feedback of practice from students and other stakeholders:***
    - Easy to understand the topic as it was taught by their classmate.
    - Very comfortable to ask doubts while teaching.
    - The student who took the class said it helps in improving self learning skills**.**
  - ***Benefit of the practice:***
    - As the student involves in teaching the new topic, it improves the technical knowledge, confidence, communication.
    - Peer to peer learning activity makes the students to get good wrapo
    - The students can share their gained knowledge.
  - ***Challenges faced in implementation:***
    - As the activity involves only one student, unable to persuade all students to engage in self learning.
    - As it involves oral communication, unable to test the writing capacity of the students
    - Team activity and team assessment was difficult.
- **References:**

    - https://en.wikipedia.org/wiki/Learning_by_teaching
    - https://digest.bps.org.uk/2018/05/04/learning-by-teaching-others-is-extremely-effective-a-new-study-tested-a-key-reason-why/
    - https://vikaspedia.in/education/teachers-corner/teaching-and-learning

Signature of Faculty Member **HOD**

Department of Computer Science and Engineering
Academic Year 2022 - 2023 (Odd Semester)

Degree, Semester & Branch: III Semester B.E. ECE 'B'
Course Code & Title: CS3353 & C Programming and Data Structures
Name of the Faculty member (s): Mrs. G.Mareeswari, AP/CSE

Innovative Practice Description

- **Unit / Topic:** Unit I / Functions Declaration, Definition and Initialization
- **Course Outcome:** CO1
- **Topic Learning Outcome:** TLO3
- **Activity Chosen:** Minute Paper
- **Justification:**

  Function concept is an important topic in C programming. Mostly all the applications are developed using function concept in C Program. This activity makes the students to get a comprehensive knowledge in this concept.

- **Time Allotted for the Activity:** 15 Minutes
- **Details of the Implementation:**

  At the end of the class, the students were asked to write about the function topic discussed in the class. The students expressed the understood concepts in the function topic and the content they need more clarification in that particular topic. The students also write about the specific topic which is needed to be discussed or clarified in the further classes. The points on function topic shared by the students through this activity are shown in the figure 1. This activity shows whether the students can able to understand the function topic and their involvement in the particular class.

- **CO – PO / PSO mapping:**

CO	PO1	PO2	PO3	PO4	PO10	PSO1
CO1	3	1	1	1	2	1

(1 – Low 2 – Moderate 3 – High)

- **PO / PSO mapped:**

Innovative practice	PO1	PO2	PO3	PO4	PO10	PSO1
	2	1	1	1	2	1
Justification for correlation	Needs engineering and mathematical knowledge for Function concept	Basic C programming concepts are used in analysis of engineering problems	To design solutions for complex engineering problems using Function concepts	To provide complex problem solutions with relevant Function operations	Able to execute and present programs using Function Concepts	Able to apply Function concepts in emerging trends in Information Technology

- **Images / Screenshot of the practice:**

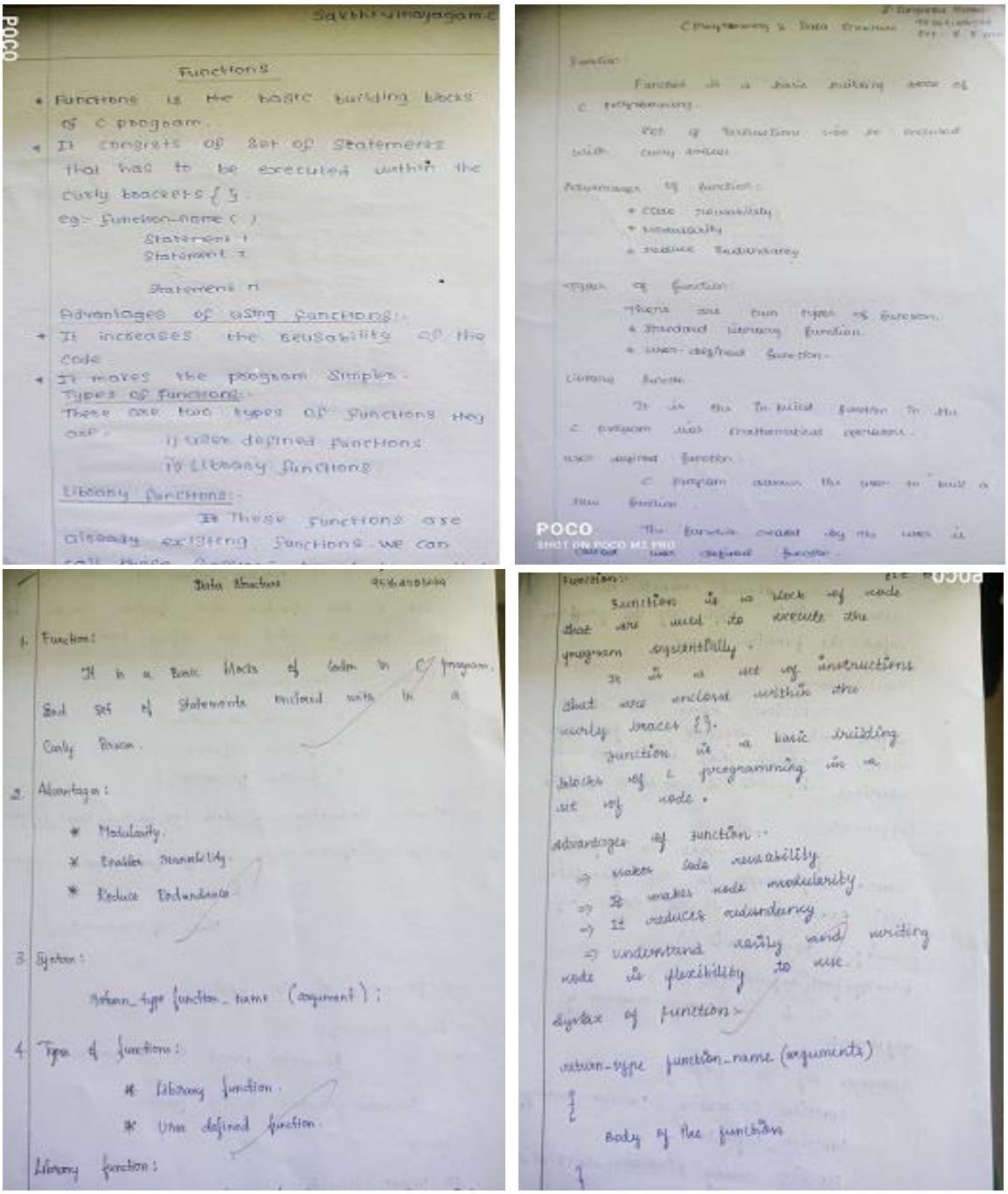

Figure 1: Minute Paper

- **Reflective Critique:**
  - ***Feedback of practice from students and other stakeholders:***
    - The students felt that they can able to understand the function topic clearly after conducting this activity.
    - Also they can able to practice more programs on function concept.
  - ***Benefit of the practice:***
    - Students were actively participated in this activity.
    - From this activity, the muddiest parts in the concept were identified and the syntax and concepts of recursion functions were explained again in the next class for well understanding.

- Example programs were given and explained for their better understanding.
- Able to attend the programs using functions in Internal Test.

❖ ***Challenges faced in implementation:***

- Some students are hesitated and lack to share the concepts that they learnt in the class.
- Make the students to know the impact and importance of sharing their views and understanding related to the topic and made them involve in the activity.

References:

❖ https://www.rochester.edu/college/cetl/faculty/one-minute-paper.html

❖ https://www.unl.edu/gradstudies/current/teaching/minute

❖ https://oncourseworkshop.com/self-awareness/one-minute-paper/

Signature of Faculty Member **HOD**

Department of Computer Science and Engineering
Academic Year 2022 – 2023 (Even Semester)

Degree, Semester & Branch : IV Semester B.E CSE
Course Code & Title : CS3492 & Database Management Systems
Name of the Faculty member : Mr. K.Vignesh Saravanan, AP / CSE

Innovative Practice Description

- **Unit / Topic: Unit I / Dynamic SQL & Revision of Unit-1**
- **Course Outcome:** CO 1
- **Topic Learning Outcome:** TLO 1, 2, 3
- **Activity Chosen: Reflection**
- **Justification:**

  Reflection is a process where teachers can identify their own teaching process and analyzing how their teaching (content delivery) might be improved for the better understanding of the students. The prime objective of Reflection is to make the students write their doubts in a paper on topics which they are not clear, so as the teacher can discuss and clarify the concepts that are not understood by the students.
- **Time Allotted for the Activity:** 20 Minutes
- **Details of the Implementation:**

  After I completed the Unit-1, in order to address the doubts and to know the level of understanding of the students, they are insisted to honestly describe the concepts that they didn't understand well. I asked the students to write their doubts in SQL concepts.

  The students wrote their doubts and topics which they are not clear as shown in Figure.1 (Samples of Asuthosh, Vaishnavi, Sathish, Harish, Anitharani). The papers are collected by me and I allotted 10 minutes time in the next hours and discussed all the doubts in next class session and make them understand. I also gave a few simple tasks in classroom to gain more understanding in the topics. The students felt they understood the concepts better.

- **CO – PO / PSO mapping:**

CO	PO1	PO2	PO3	PO12	PSO3
CO1	3	3	3	1	3

(1 – Low 2 – Moderate 3 – High)

- **PO / PSO mapped:**

Innovative practice	PO9	PO10	PO12
	1	2	2

Justification for correlation	Student individuality in expressing their doubts	Written communication/ Asking questions are improved	Student will implement the questioning skill in future in written format

- **Images / Screenshot of the practice:**

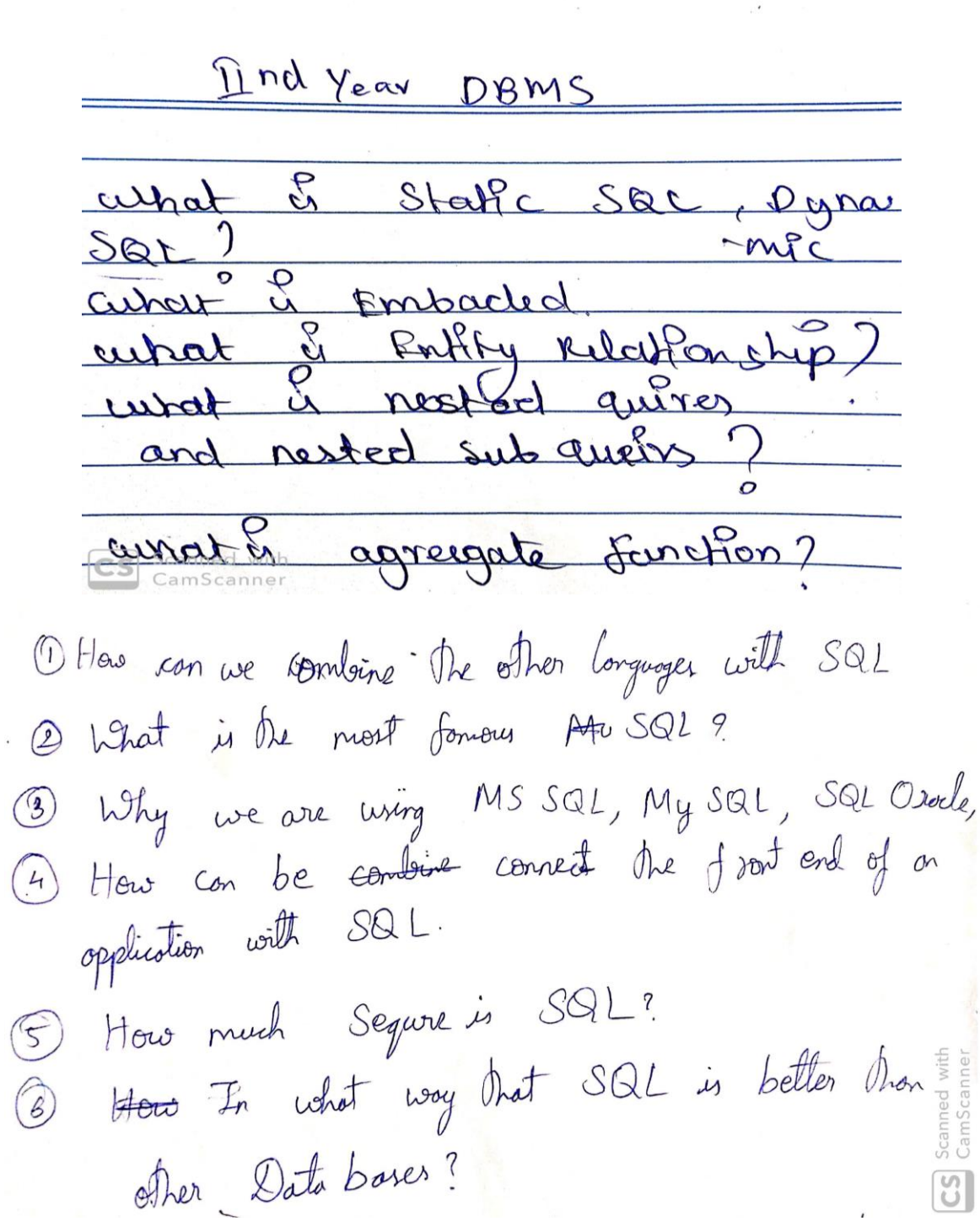

Figure.1 – Screenshots of the doubts asked by the students

- **Reflective Critique:**
  - ***Feedback of practice from students and other stakeholders:***
    - Students felt the activity conducted gave them a chance to represent their common doubts among students and could get additional clarification from me.

  - ***Benefit of the practice:***
    Through this activity the students can recollect the topics on Relational model, and relational algebra, Dynamic and static queries. The students are made to understand the concepts in which they are not clear and ensured that they understood the topics thoroughly.

  - ***Challenges faced in implementation:***
    - Students were not able to frame or express their doubts in English sentence properly and some questions were not clear to understand.
    - Slow learners were not interested to participate in this innovative teaching and submitted the empty paper.
    - Some of the students did not even ready to write their doubts
    - Students started to discuss and shout with their neighbors during the activity.

References:

- https://apiar.org.au/wp-content/uploads/2017/02/13_APJCECT_Feb_BRR798_EDU-126-131.pdf
- https://www.skillsyouneed.com/ps/reflective-practice.html
- https://www.cambridge-community.org.uk/professional-development/gswrp/index.html

RAMCO INSTITUTE OF TECHNOLOGY
RAJAPALAYAM
Academic Year: 2022- 2023 (Odd Semester)

16.08.2022

Submitted to the Principal

Sub: Request for permission to participate in Smart India Hackathon 2022 at Sri Eshwar College of Engineering, Coimbatore- reg.

Two teams (V-CAN and Bring Pure) of our students' projects got selected in the Smart India Hackathon 2022 for the grand finale, which is going to be conducted at **Sri Eshwar College of Engineering, Coimbatore and the National Institute of Technology, Silchar** during 25.08.2022 to 26.08.2022. For administrative reasons, the Bring Pure team could not participate in this event, which is held at NIT, Silchar. The other team, V-CAN, is going to participate with a team of **4 girls and 2 boys, with 2 faculty members (mentors).** We request your permission to attend the **Smart India Hackathon 2022** Open Innovation Model and details of travel expenses incurred by 8 people from Rajapalayam to Coimbatore and Coimbatore to Rajapalayam as detailed below.

Sl. No.	Particulars	Amount (in Rs.)
1	Travelling Allowance (Rs.800/- for each persons from Rajapalayam to Coimbatore)	6400
2	Travelling Allowance (Rs.800/- for each persons from Coimbatore to Rajapalayam)	6400
3	Local Travel Allowance	2000
	Total	**14,800**

We request you to provide Rs.14,800/- (Rupees Fourteen Thousand Eight Hundred Only) as advance amount towards the travelling expenses under the **Head of Account: RIT/Academic/CSE/Co-Curricular activites / Participation in Competition**

SPOC
(Dr.R.Venkatesh, AP(SG)/CSE)

HOD-CSE

GM(A)

Vice-Principal

Principal

SRI ESHWAR COLLEGE OF ENGINEERING	Tamil Nadu	COIMBATORE	Department of Empowerment of Persons with Disabilities(Divyangjan) , Ministry of Social Justice and Empowerment	RK769	Software	14174	12487 - Splash_and_Kaboosh	79685 - DR N.G.P. INSTITUTE OF TECHNOLOGY
						15533	14399 - Logic Retriever	79723 - INDERPRASTHA ENGINEERING COLLEGE GHAZIABAD
						21623	17913 - Team DSC	79878 - MODEL INSTITUTE OF ENGG. & TECHNOLOGY
				RK764	Software	14406	13396 - E-DRISHTI	80656 - AJAY KUMAR GARG ENGINEERING COLLEGE, GHAZIABAD
						15385	21377 - INFOTECHSYS	79760 - UNIVERSITY COLLEGE OF ENGINEERING, TIRUCHIRAPPAALLI
						15209	16408 - Rectactus	80291 - MIT ART, DESIGN AND TECHNOLOGY UNIVERSITY, PUNE
						16719	16237 - SIGHTSAVERS	91909 - K.L.N. COLLEGE OF ENGINEERING POTTAPALAYAM, SIVAGANGAI DIST
						20398	16799 - Tech panthers	80019 - M.P.NACHIMUTHU M.JAGANATHAN ENGINEERING COLLEGE
				RK765	Software	18128	14535 - V-CAN	80361 - RAMCO INSTITUTE OF TECHNOLOGY
						23663	31734 - Majestics	135171 - SINHGAD TECHNICAL EDUCATION SOCIETYS NBN SINHGAD TECHNICAL INSTITUTES CAMPUS, PUNE
						13139	11964 - Sneek Peek	79745 - CHANDIGARH ENGG COLLEGE, LANDRAN
						19847	20041 - Node Controllers	80172 - THE BOMBAY SALESIAN SOCIETYS DON BOSCO INSTITUTE TECHNOLOGY AT PREMIER AUTOMOBILE ROAD KURLA (W) MUMBAI 400 070

National Institute of Technology Silchar	Assam	Silchar	International Council for Circular Economy (ICCE).	SG862	Software	32561	30642 - ThunderBolt	172970 - CENTRAL UNIVERSITY OF HIMACHAL PRADESH, DHARMSHALA, KANGRA
						29829	26515 - Ignitee	118615 - KUMARAGURU COLLEGE OF LIBERAL ARTS AND SCIENCE
						26807	25751 - CanTin	93286 - M S RAMAIAH INSTITUTE OF TECHNOLOGY, BANGALORE
						17098	32308 - Tech It Up	80088 - VIVEKANAND EDUCATION SOCIETY'S INSTITUTE OF TECHNOLOGY
				SG863	Software	12519	11614 - Hack@abes	79687 - ABES INSTITUTE OF TECHNOLOGY, GHAZIABAD
						15129	20472 - Smart_Bin _Waste_Management	80265 - COIMBATORE INSTITUTE OF TECHNOLOGY
						17491	20937 - SNP	85208 - KESHAV MEMORIAL INSTITUTE OF TECHNOLOGY
						26818	25782 - KNIGHT WATCH	79674 - SRI SAI RAM INSTITUTE OF TECHNOLOGY
						32187	29409 - STATIS	85846 - THIAGARAJAR COLLEGE OF ENGINEERING, MADURAI
						14042	15010 - DISHA- Seg-Re-Create	80759 - KANYA MAHA VIDYALAYA JALANDHAR
				SG864	Software	19955	21361 - DREAM HUNTERS	80539 - PRAGATI ENGINEERING COLLEGE, 1-378, ADB ROAD, SURAMPALEM, NEAR PEDDAPURAM,PIN- 533437 (CC-A3)
						15335	15988 - Anvesh	79857 - GEETHANJALI COLLEGE OF ENGINEERING AND TECHNOLOGY
						16209	14441 - Team Amateurs	80491 - GURUNANAK INSTITUTE OF TECHNOLOGY 143
						18601	15314 - Vision Green	80000 - SNS COLLEGE OF ENGINEERING
						19296	19698 - TINY MINDS	86114 - PSGR KRISHNAMMAL COLLEGE FOR WOMEN
				SG865	Software	32240	30612 - aquaredeemers	80027 - GALGOTIAS UNIVERSITY
						32159	30725 - PLATINUM END	80028 - ST. JOSEPHS COLLEGE OF ENGINEERING
						18160	14603 - BRING PURE	80361 - RAMCO INSTITUTE OF TECHNOLOGY
						33698	32419 - EXTROVERTS	79855 - R.M.D ENGINEERING COLLEGE
				SG866	Software	12082	11539 - Hexabyte_	79679 - SRI VENKATESWARA COLLEGE OF ENGINEERING
						13699	12459 - Onama	79957 - M.G.M.'S COLLEGE OF ENGINEERING, AIR PORT, HINGOLI ROAD, NANDED

RAMCO INSTITUTE OF TECHNOLOGY

Venkatesh R <venkatesh@ritrjpm.ac.in>

#SmartIndiaHackathon2022 - Nodal Center Details

mic-mhrd@gov.in <mic-mhrd@gov.in>
To: venkatesh@ritrjpm.ac.in

Wed, Aug 10, 2022 at 11:13 PM

Dear RAGAVI VG

Greetings from the team of SIH 2022.

Please find the attached list of NC SPOCs for SIH 2022. Please note that these are faculty SPOCs and do not call the people at odd times such as late nights.

Call/message them from 9 AM- 7 PM only for any SIH-related queries. DO NOT CALL THE FACULTY SPOCs AFTER 7 PM.

Your Idea ID and Team Name: 14535 - V-CAN

Your Institute Name and its AICTE/AISHE CODE: C-49144 - RAMCO INSTITUTE OF TECHNOLOGY

Allocated Nodal Center Name: Sri Eshwar College Of Engineering

Allocated Nodal Center State: Tamil Nadu

Allocated Nodal Center City: Coimbatore

Allocated Nodal Center Faculty Coordinator Name: Mr Vishnu Sakravarthy, Dr G Karuppusami

Allocated Nodal Center Email: vishnu.n@sece.ac.in, karuppusami.g@sece.ac.in

Allocated Nodal Center Mobile: 90037 77168,9894606677

Regards

Team SIH



RAMCO INSTITUTE OF TECHNOLOGY
RAJAPALAYAM

01.09.2022

Submitted to the Principal

Sub: Advance Amount Settle – Reg

Respected Sir,

We have received an advance amount of Rs. 14,800/-on 25.08.2022 for the team V-CAN, which participated in **the Smart India Hackathon 2022 Open Innovation Model** with a team of **4 girls and 2 boys, with 2 faculty members (mentors) at Sri Eshwar College of Engineering (SECE), Coimbatore.** We have spent an amount of **Rs. 11,135.00/-** amount towards travel and boarding expenses. As per SIH 2022 norms we have received Rs.6560 for to and fro travelling charges from Sri Eshwar College of Engineering, Coimbatore on behalf of SIH. Now I am returning the balance amount which is including received amount from SECE of **Rs. 10,225.00 /-** (Rs.6560+ (Rs. 14,800 – Rs.11,135)) to the account section along with the original bills.

Sl. No.	Name of the Item	Expenses in Rs.
1.	Madurai to Coimbatore Bus Ticket (235*8)	1,880.00
2.	Food Expenses (Three Days)	1,580.00
3.	Coimbatore to Madurai Bus Ticket	5,355.00
4.	Singanallur Bus Stand to Omni Bus Stand – Auto Fare	250.00
5.	Madurai to Rajapalayam Bus Ticket (85*8)	680.00
6.	Rajapalayam to RIT – Auto Fare	200.00
7.	Standee Banner Printing	450.00
8.	Group T-Shirt	740.00
	Total Amount	**11,135.00**

Now, we settle the bill in the account section along with the original bills. The expenditure details along with the original bills are here under.

01/9/22

SPOC
(Dr.R.Venkatesh, AP(SG)/CSE)

1/9/2022

HOD-CSE

01/09/22

GM(A)

1/9/22

Vice-Principal

1.9.22

Principal


Ministry of Education
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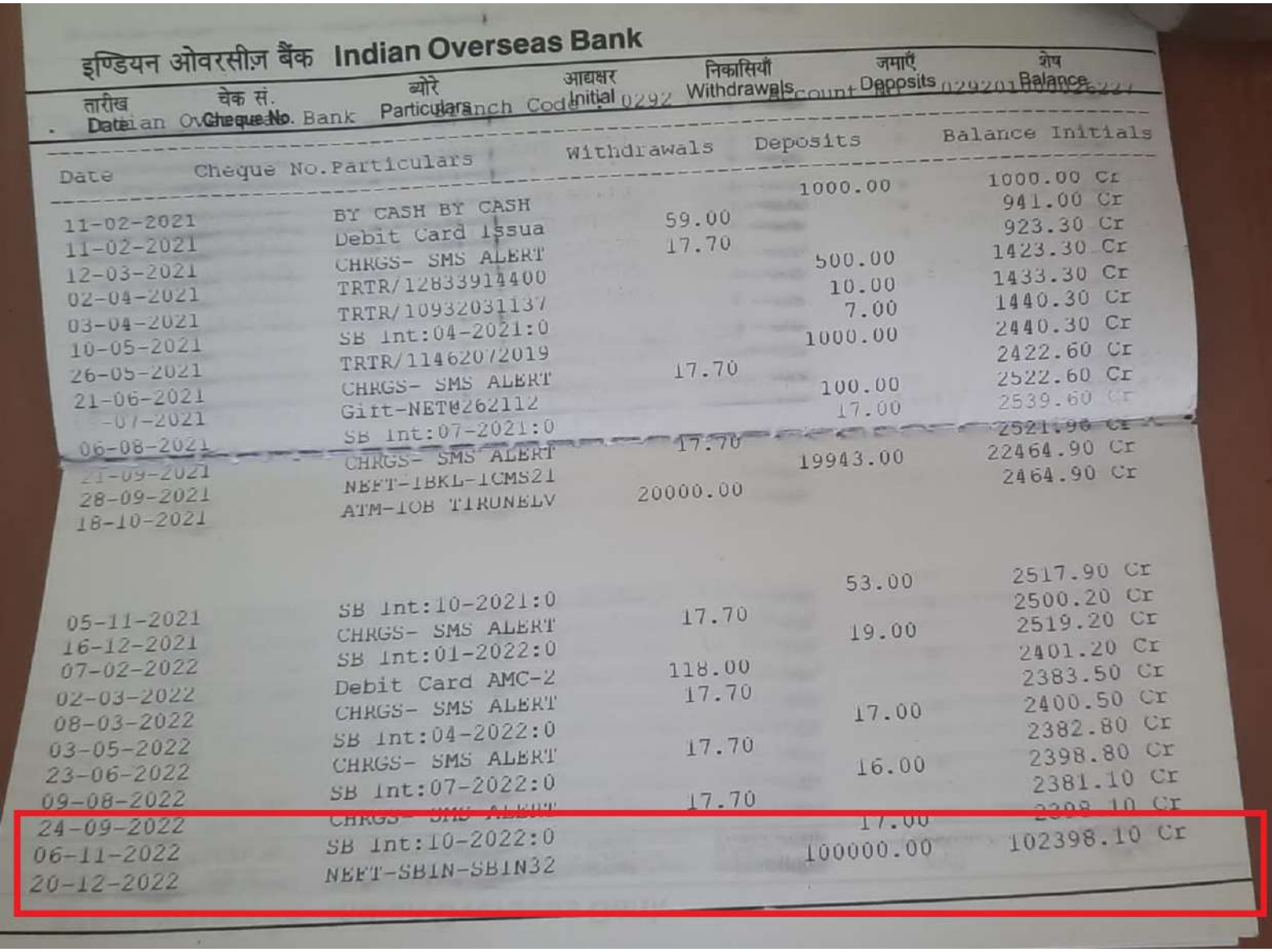
Winners Announcement
Winner
Rupees One Lakh Only
1,00,000/-



इण्डियन ओवरसीज़ बैंक **Indian Overseas Bank**

तारीख Date	चेक सं. Cheque No.	ब्योरे Particulars	आद्यक्षर Initial	निकासियाँ Withdrawals	जमाएँ Deposits	शेष Balance

Indian Overseas Bank Branch Code : 0292 Account No. 029201000026227

Date	Cheque No.	Particulars	Withdrawals	Deposits	Balance Initials
11-02-2021		BY CASH BY CASH		1000.00	1000.00 Cr
11-02-2021		Debit Card Issua	59.00		941.00 Cr
12-03-2021		CHRGS- SMS ALERT	17.70		923.30 Cr
02-04-2021		TRTR/12833914400		500.00	1423.30 Cr
03-04-2021		TRTR/10932031137		10.00	1433.30 Cr
10-05-2021		SB Int:04-2021:0		7.00	1440.30 Cr
26-05-2021		TRTR/11462072019		1000.00	2440.30 Cr
21-06-2021		CHRGS- SMS ALERT	17.70		2422.60 Cr
-07-2021		Gift-NET@262112		100.00	2522.60 Cr
06-08-2021		SB Int:07-2021:0		17.00	2539.60 Cr
21-09-2021		CHRGS- SMS ALERT	17.70		2521.90 Cr
28-09-2021		NEFT-IBKL-ICMS21		19943.00	22464.90 Cr
18-10-2021		ATM-IOB TIRUNELV	20000.00		2464.90 Cr
05-11-2021		SB Int:10-2021:0		53.00	2517.90 Cr
16-12-2021		CHRGS- SMS ALERT	17.70		2500.20 Cr
07-02-2022		SB Int:01-2022:0		19.00	2519.20 Cr
02-03-2022		Debit Card AMC-2	118.00		2401.20 Cr
08-03-2022		CHRGS- SMS ALERT	17.70		2383.50 Cr
03-05-2022		SB Int:04-2022:0		17.00	2400.50 Cr
23-06-2022		CHRGS- SMS ALERT	17.70		2382.80 Cr
09-08-2022		SB Int:07-2022:0		16.00	2398.80 Cr
24-09-2022		CHRGS- SMS ALERT	17.70		2381.10 Cr
06-11-2022		SB Int:10-2022:0		17.00	2398.10 Cr
20-12-2022		NEFT-SBIN-SBIN32		100000.00	102398.10 Cr

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NBA Accredited UG Programs: CSE, EEE, ECE and MECH

Department of ..CIVIL..ENGINEERING...
Academic Year 2022– 2023 (Odd/Even Semester)

Feedback on Curriculum and Syllabus from Students

Name of the student : R. Rakavi
Register Number : 953620103009
Semester & Department : V & Civil Engineering
Course Code with Title : CE8591 & Foundation Engineering.

Sl.No.	Question	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)
1.	The course is relevant for programme (B.E./B.Tech. ....Civil..... Engineering)	✓				
2.	Course objectives were clear and relevant to the syllabus	✓				
3.	The syllabus emphasis on fundamentals as well as Modern / advanced topics.	✓				
4.	Sequence of Units and Topics are in order	✓				
5.	Course text books and reference books listed are adequate	✓				
6.	Course content helps me to understand and apply the concepts of the stream	✓				
7.	Course helped me in improving problem solving ability		✓			
8.	Course stimulates my intellect to learn further related topics	✓				
9.	Course content helps in attaining the POs and PSOs of the programme	✓				
10.	Course stimulated my self-learning skills	✓				
11.	Curriculum and syllabus fulfill the Industrial Needs	✓				
12.	Suggestion for curriculum gap / content improvement identified (if any)	Staad foundation Software				
13.	Overall comments on the Course	Good.				

R. Rakavi.
Signature of the Student

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Department of ....Civil Engg.....
Academic Year 2022 – 2023 (Odd/Even Semester)

Feedback on Curriculum and Syllabus from Students

Name of the student : K. Sivarama Krishnan
Register Number : 953619103011
Semester & Department : VII B.E. Civil Engg
Course Code with Title : CE8705 - Structural Design & Drawing

Sl.No.	Question	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)
1.	The course is relevant for programme (B.E./B.Tech. .....Civil..... Engineering)	✓				
2.	Course objectives were clear and relevant to the syllabus	✓				
3.	The syllabus emphasis on fundamentals as well as Modern / advanced topics.	✓				
4.	Sequence of Units and Topics are in order		✓			
5.	Course text books and reference books listed are adequate		✓			
6.	Course content helps me to understand and apply the concepts of the stream	✓				
7.	Course helped me in improving problem solving ability	✓				
8.	Course stimulates my intellect to learn further related topics	✓				
9.	Course content helps in attaining the POs and PSOs of the programme	✓				
10.	Course stimulated my self-learning skills	✓				
11.	Curriculum and syllabus fulfill the Industrial Needs	✓				
12.	Suggestion for curriculum gap / content improvement identified (if any)	Design of Bunker & Silos.				
13.	Overall comments on the Course					

K. Sivaramakrishnan
Signature of the Student

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NBA Accredited UG Programs: CSE, EEE, ECE and MECH

Department of ....Civil Engineering.....
Academic Year 20~~22~~ – 20~~23~~ (Odd/Even Semester)

Feedback on Curriculum and Syllabus from Students

Name of the student : I. Mohamed Rizwan
Register Number : 953621103025
Semester & Department : IV, civil engineering
Course Code with Title : CE3405 - Highway and Railway Engineering

Sl.No.	Question	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)
1.	The course is relevant for programme (B.E./B.Tech. ..... Engineering)	✓				
2.	Course objectives were clear and relevant to the syllabus	✓				
3.	The syllabus emphasis on fundamentals as well as Modern / advanced topics.	✓				
4.	Sequence of Units and Topics are in order	✓				
5.	Course text books and reference books listed are adequate	✓				
6.	Course content helps me to understand and apply the concepts of the stream	✓				
7.	Course helped me in improving problem solving ability	✓				
8.	Course stimulates my intellect to learn further related topics	✓				
9.	Course content helps in attaining the POs and PSOs of the programme		✓			
10.	Course stimulated my self-learning skills	✓				
11.	Curriculum and syllabus fulfill the Industrial Needs	✓				
12.	Suggestion for curriculum gap / content improvement identified (if any)	Intelligent Transport system				
13.	Overall comments on the Course	Good				

Signature of the Student

RAMCO INSTITUTE OF TECHNOLOGY

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Accredited by NAAC & An ISO 9001:2015 Certified Institution
NBA Accredited UG Programs: CSE, EEE, ECE and MECH

Department of ...civil engineering
Academic Year 2022– 2023(Odd/Even Semester)

Feedback on Curriculum and Syllabus from Students

Name of the student : M. Aathi Laxmi
Register Number : 953621103003
Semester & Department : IV , civil engineering
Course Code with Title : CE3403 - concrete technology

Sl.No.	Question	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)
1.	The course is relevant for programme (B.E./B.Tech. ..civil..engineering Engineering)	✓				
2.	Course objectives were clear and relevant to the syllabus		✓			
3.	The syllabus emphasis on fundamentals as well as Modern / advanced topics.	✓				
4.	Sequence of Units and Topics are in order	✓				
5.	Course text books and reference books listed are adequate	✓				
6.	Course content helps me to understand and apply the concepts of the stream		✓			
7.	Course helped me in improving problem solving ability	✓				
8.	Course stimulates my intellect to learn further related topics	✓				
9.	Course content helps in attaining the POs and PSOs of the programme	✓				
10.	Course stimulated my self-learning skills	✓				
11.	Curriculum and syllabus fulfill the Industrial Needs		✓			
12.	Suggestion for curriculum gap / content improvement identified (if any)	Non Destructive testing methods				
13.	Overall comments on the Course	Good				

M. Aathi Laxmi
Signature of the Student

RAMCO INSTITUTE OF TECHNOLOGY

CURRICULUM FEEDBACK

Academic Year: 2022-2023(even Semester)

Name of the Subject:CE8601 - Design of Steel Structural Elements
Name of the Faculty:MURUGANANTHAM R
Year/Semester:III / VI - CIVIL

Sl.No	Name of the student / Roll No. (optional)	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13
1		5	5	5	5	5	5	5	5	5	5	5	Good	Good
2		5	5	5	5	5	5	5	5	5	5	5	No suggestion	Very good explanation
3		5	5	5	5	5	5	5	5	5	5	5	No	No
4		5	4	4	5	4	4	4	4	4	5	4	No	Good
5		5	5	5	5	5	5	5	5	5	5	5	Nil	I have learned lot of information about various structural members and design of tension, compression and flexural members.
6		5	5	5	5	5	5	5	5	5	5	5	Nil	Good
7		5	5	5	5	5	5	5	5	5	5	5	Nil	Good
8		5	5	5	5	5	5	5	5	5	5	5	No	No
9		2	3	3	3	2	3	3	3	2	3	4	No	No
10		5	5	5	5	5	5	5	5	5	5	5	No	Excellent coarse ... Good teaching
11		5	5	5	5	5	5	5	5	5	5	5	No	Nil
12		5	5	5	5	5	5	4	5	5	5	5	No	No
13		5	5	5	5	5	5	5	5	5	5	5	Nil	Nil

RAMCO INSTITUTE OF TECHNOLOGY

CURRICULUM FEEDBACK

Academic Year: 2022-2023(even Semester)

Name of the Subject:CE8602 - Structural Analysis II
Name of the Faculty:INDHUMATHI M
Year/Semester:III / VI - CIVIL

Sl.No	Name of the student / Roll No. (optional)	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13
1		5	5	5	5	5	5	5	5	5	5	5	Good	Good
2		5	5	5	5	5	5	5	5	5	5	5	No suggestion	Very good explanation
3		5	5	5	5	5	5	5	5	5	5	5	No	No
4		4	5	5	4	3	4	5	4	4	4	4	Nothing	Good
5		5	5	5	5	5	5	5	5	5	5	5	Nil	Very useful.
6		5	5	5	5	5	5	5	5	5	5	5	Nil	Good
7		5	5	5	5	5	5	5	5	5	5	5	Nil	Good
8		5	5	5	5	5	5	5	5	5	5	5	No	No
9		4	4	5	4	5	4	5	4	5	5	4	No	No
10		4	4	4	4	4	4	4	4	4	4	4	No	No
11		5	5	5	5	5	5	5	5	5	5	5	No	Nil
12		5	5	5	5	5	4	5	5	5	4	5	No	No
13		5	5	5	5	5	5	5	5	5	5	5	Nil	Nil

RAMCO INSTITUTE OF TECHNOLOGY

CURRICULUM FEEDBACK

Academic Year: 2022-2023(even Semester)

Name of the Subject:CE8603 - Irrigation Engineering
Name of the Faculty:LEEMA MARGRET A
Year/Semester:III / VI - CIVIL

Sl.No	Name of the student / Roll No. (optional)	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13
1		5	5	5	5	5	5	5	5	5	5	5	No suggestion	Very good explanation
2		5	5	5	5	5	5	5	5	5	5	5	No	No
3		5	5	5	5	5	5	5	5	5	5	5	Good	Good
4		4	4	5	4	4	5	4	4	4	5	4	No	Good
5		5	5	5	5	5	5	5	5	5	5	5	Nil	Very useful.
6		5	5	5	5	5	5	5	5	5	5	5	Nil	Good
7		5	5	5	5	5	5	5	5	5	5	5	Nil	Good
8		5	5	5	5	5	5	5	5	5	5	5	No	No
9		4	4	4	3	3	3	4	3	3	3	3	No	No
10		5	5	5	5	5	5	5	5	5	5	5	No	Good teaching
11		5	5	5	5	5	5	5	5	5	5	5	No	Nil
12		5	5	5	5	5	5	5	4	5	5	5	No	No
13		5	5	5	5	5	5	5	5	5	5	5	Nil	Nil

RAMCO INSTITUTE OF TECHNOLOGY

CURRICULUM FEEDBACK

Academic Year: 2022-2023(even Semester)

Name of the Subject:CE8604 - Highway Engineering
Name of the Faculty:KARTHIKEYAN G
Year/Semester:III / VI - CIVIL

Sl.No	Name of the student / Roll No. (optional)	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13
1		5	5	5	5	5	5	5	5	5	5	5	No suggestion	Nill
2		5	3	4	3	4	4	4	4	3	4	4	No	No
3		5	5	5	5	5	5	5	5	5	5	5	Good	Good
4		5	4	4	5	4	5	5	4	4	5	3	No	Good
5		5	5	5	5	5	5	5	5	5	5	5	Nil	Really useful.
6		5	5	5	5	5	5	5	5	5	5	5	Nil	Good
7		5	5	5	5	5	5	5	5	5	5	5	Nil	Good
8		5	5	5	5	5	5	5	5	5	5	5	No	No
9		1	1	1	1	2	2	2	1	2	2	2	No	No
10		3	3	3	3	3	3	3	3	3	3	3	No	No
11		1	1	1	1	1	1	1	1	1	1	1	No	Nil
12		5	5	5	5	5	5	5	5	5	5	5	No	No
13		5	5	5	5	5	5	5	5	5	5	5	Nil	Nil

RAMCO INSTITUTE OF TECHNOLOGY

CURRICULUM FEEDBACK

Academic Year: 2022-2023(even Semester)

Name of the Subject:EN8592 - Wastewater Engineering
Name of the Faculty:SUBHA C
Year/Semester:III / VI - CIVIL

Sl.No	Name of the student / Roll No. (optional)	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13
1		5	5	5	5	5	5	5	5	5	5	5	No suggestion	Very good explanation
2		5	5	5	5	5	5	5	5	5	5	5	No	No
3		5	5	5	5	5	5	5	5	5	5	5	Good	Good
4		4	4	3	4	3	4	3	3	4	4	4	No	Good
5		5	5	5	5	5	5	5	5	5	5	5	Nil	Very helpful.
6		5	5	5	5	5	5	5	5	5	5	5	Nil	Good
7		5	5	5	5	5	5	5	5	5	5	5	Nil	Good
8		5	5	5	5	5	5	5	5	5	5	5	No	No
9		2	2	2	3	3	2	3	3	2	2	3	No	No
10		3	3	3	3	3	3	3	3	3	3	3	No	No
11		5	4	4	4	4	4	4	4	3	3	3	No	Nil
12		5	5	5	5	5	5	5	4	5	5	5	No	No
13		5	5	5	5	5	5	5	5	5	5	5	Nil	Nil

RAMCO INSTITUTE OF TECHNOLOGY
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An ISO 9001:2015 Certified and NAAC Accredited Institution
North Venganallur Village, Rajapalayam-626 117, Tamil Nadu

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

RESOURCE PERSON FEEDBACK FORM

Name : R. Jagan

Designation : Network Security Engineer

Address : MR. Nagar, Chitra theater opposite, Rajapalayam.

Area of Specialization : Networking (Fortigate, FortiAP, Checkpoint Firewall)

Title(s) of the Lecture(s) given:

Resource Person : ☐ Academician ☐ Industry Person

1. How do you rate quality of Academics of the department

☑ Excellent ☐ Good ☐ Satisfactory

2. Relevance of the programme in the present scenario

☑ Excellent ☐ Good ☐ Satisfactory

3. Facilities in the Department for organizing the programme

☑ Excellent ☐ Good ☐ Satisfactory

4. Students interaction level during the session

☑ Excellent ☐ Good ☐ Satisfactory

5. Curriculum is based on the needs of the stakeholders

☑ Excellent ☐ Good ☐ Satisfactory

6. If any other feedback that you would like to give for improvement of students

I am given guidance (Networking Institute, Networking topics, Networking Company).

Date: 13/4/2023.

R. Jagan
Signature

RAMCO INSTITUTE OF TECHNOLOGY
(Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai)
An ISO 9001:2015 Certified and NAAC Accredited Institution
North Venganallur Village, Rajapalayam-626 117, Tamil Nadu

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

RESOURCE PERSON FEEDBACK FORM

Name : Jay Bagga, Ph. D

Designation : Professor of Computer Science

Address : Department of Computer Science, Ball State Univ.

Area of Specialization : Graph Theory and graph algorithms, Cryptography, Cybersecurity

Title(s) of the Lecture(s) given:
Lecture in Cybersecurity and Blockchain

Resource Person : [X] Academician [ ] Industry Person

1. How do you rate quality of Academics of the department

[✓] Excellent [ ] Good [ ] Satisfactory

2. Relevance of the programme in the present scenario

[✓] Excellent [ ] Good [ ] Satisfactory

3. Facilities in the Department for organizing the programme

[✓] Excellent [ ] Good [ ] Satisfactory

4. Students interaction level during the session

[✓] Excellent [ ] Good [ ] Satisfactory

5. Curriculum is based on the needs of the stakeholders

[✓] Excellent [ ] Good [ ] Satisfactory

6. If any other feedback that you would like to give for improvement of students

It was a pleasure interacting with the students. I was pleased with the feedback. My recommendation is to engage the students in similar events

Date: Jan 25, 2023

Jay Bagga
Signature

RAMCO INSTITUTE OF TECHNOLOGY

Academic Year: 2022 - 2023

ALUMNI DETAILS AND FEEDBACK

1. Name of the Candidate : G. VASUGI
2. Register Number :
3. Degree & Branch : B.E. CSE
4. Batch : 2015 to 2019
5. Email ID : sanasugi98@gmail.com
6. Mobile Number : 9042760909
7. Communication Address : 55, Ramasamiyapuram 6th Street, Sankarankovil - 627756
8. Permanent Address :

9. **Details of Current Employment:**
   a) Name of the Organization : HCL TECHNOLOGIES
   b) Address of the Organization: Navalur, Chennai
   c) Designation : Lead Engineer
   d) Annual Income : 12 LPA
   e) Employee ID (if applicable):

10. **Details of Higher Studies: (if applicable)**
    a) Name of the Institution :
    b) Name of the University :
    c) Degree :
    d) Year of Passing. :

11. **Details of Entrepreneurship: (if applicable)**
    a) Name of the Organization :
    b) Address of the Organization :

c) Website and email ID of the organization: .....

.....

d) Company is self start-up or family business: .....

e) Registration Details of the Organization : .....
(GST registration)

f) Would you like to recruit RITians in future if required? .....

12. As a graduate of RIT, Where do you place yourself on the following Graduate Attribute Grid?

	Importance to your present					RIT Contribution to your development				
Technical	1 low	2	3	4	5 High	1 low	2	3	4	5 High
Using information technologies and search strategies to access information					✓				✓	
Critically analyzing and evaluating ideas/information					✓				✓	
Examining problems and integrating/synthesizing ideas/information from multiple sources				✓					✓	
Constructing clear, precise, and accurate arguments/statements/reports				✓					✓	
Generating innovative solutions				✓						✓
Problem solving skills				✓	✓					✓
Professional	1 low	2	3	4	5 High	1 low	2	3	4	5 High
Working independently and in teams				✓						✓
Working with people from diverse social/cultural/economic backgrounds					✓				✓	
Conducting work activities in an ethical manner				✓					✓	
Adapting to changing circumstances (Flexibility and Agility)				✓						✓
Effectively leading/guiding others				✓					✓	
Preparing for a career					✓					✓
Capability of Working under pressure				✓					✓	
Overall Professional skills				✓					✓	
Communication	1 low	2	3	4	5 High	1 low	2	3	4	5 High
Understanding written and oral information				✓					✓	
Speaking to small group and making presentations				✓					✓	

Capability of addressing the mass group				✓					✓	
Writing effectively				✓					✓	
Communication skills					✓					✓
General	1 low	2	3	4	5 High	1 low	2	3	4	5 High
Understanding the basic concepts in a broad range of disciplines				✓					✓	
Acquiring awareness of new scientific knowledge and discoveries				✓					✓	
Understanding how science and technology influence society and everyday life					✓					✓
Recognizing and acting on ethical principles					✓					✓
Valuing learning as a lifelong process				✓					✓	
Being involved in public and societal affairs				✓					✓	
Developing and sustaining an active and healthy lifestyle					✓					✓
Understanding issues and problems facing the world					✓					✓
Understanding issues associated with gender equity, ragging				✓					✓	

13. These questions ask about your experience as student at RIT. Please indicate the extent to which you agree or disagree with each of the statements. If you do not have the experience, please select the 'not applicable' response option.

	Agree	Tend to agree	Neither agree or disagree	Tend to disagree	Not applicable
My participation in value added courses/programs has had a constructive influence on my profession.		✓			
The knowledge and/or experiences I gained by engaging in Projects and participating in technical competitions such as Hackathon, Design contests, Coding Contests etc. has had a progressive impact on my occupation.	✓				
Involving in extra-curricular events has increased my interest in participating in current/future arts/cultural events.			✓		
My participation in internship programs, industrial visits and in-plant trainings has had a positive impact on my career.		✓			
Hindi and Foreign language courses at RIT helped me gain appreciation in my workplace.			✓		
My physical education activities in sports & games have had a positive influence on my present physical fitness and health habits.			✓		

Participating in NSS/YRC and other NGO service activities has had a lasting impact on my commitment towards improving the society.					

14. Your valuable opinions and suggestions are solicited for further improvement of the Institution Academic system

Sl. No.	Particulars	1 low	2	3	4	5 High
1.	The learning I had in the Institution is useful in my career.					✓
2.	The developments in the institution in recent years are appreciative.					✓
3.	RIT is involving alumni in its activities.				✓	
4.	Alumni have a role to play in academically strengthening				✓	
5.	Alumni have a role to play in infrastructural development of the Institution.				✓	
6.	Alumni should take initiative to efficiently enroll and strengthen the Alumni Association.					✓

15. Valuable Suggestions:

a. What courses/workshops would you recommend for our students to improve their technical competency?

cloud, AWS

b. Did you identify any gap in the curriculum in the domain/fields of your organization? If so, could you recommend any online/value added courses for our students to bridge the industry-institute gap?

c. Any other comments:

12/05/23

Signature of the Candidate with date

G. VASUGI
LEAD ENGINEER,
HCL TECHNOLOGIES

RAMCO INSTITUTE OF TECHNOLOGY

Academic Year: 2017 - 2023

ALUMNI DETAILS AND FEEDBACK

1. Name of the Candidate : R.Jagan
2. Register Number : .....
3. Degree & Branch : B.E (CSE)
4. Batch : 2014 to 2017.
5. Email ID : Jagarthiruparthi45@gmail.com
6. Mobile Number : 9952528774
7. Communication Address : .....
8. Permanent Address : MR Nagar, Chithra theater opposite, Rajapalayam - 626117

9. Details of Current Employment:

a) Name of the Organization : Secure Network Solution Pvt Ltd

b) Address of the Organization: .....

c) Designation : Network Security Engineer

d) Annual Income : 6,00,000 PA

e) Employee ID (if applicable): 1251

10. Details of Higher Studies: (if applicable)

a) Name of the Institution : .....

b) Name of the University : .....

c) Degree : .....

d) Year of Passing : .....

11. Details of Entrepreneurship: (if applicable)

a) Name of the Organization : .....

b) Address of the Organization : .....

c) Website and email ID of the organization: .....

.....

d) Company is self start-up or family business: .....

e) Registration Details of the Organization : .....
(GST registration)

f) Would you like to recruit RITians in future if required? .....

12. As a graduate of RIT, Where do you place yourself on the following Graduate Attribute Grid?

	Importance to your present					RIT Contribution to your development				
Technical	1 low	2	3	4	5 High	1 low	2	3	4	5 High
Using information technologies and search strategies to access information				✓					✓	
Critically analyzing and evaluating ideas/information					✓					✓
Examining problems and integrating/synthesizing ideas/information from multiple sources				✓					✓	
Constructing clear, precise, and accurate arguments/statements/reports				✓					✓	
Generating innovative solutions				✓					✓	
Problem solving skills					✓					✓
Professional	1 low	2	3	4	5 High	1 low	2	3	4	5 High
Working independently and in teams					✓					✓
Working with people from diverse social/cultural/economic backgrounds				✓					✓	
Conducting work activities in an ethical manner				✓					✓	
Adapting to changing circumstances (Flexibility and Agility)					✓					✓
Effectively leading/guiding others					✓					✓
Preparing for a career				✓					✓	
Capability of Working under pressure				✓					✓	
Overall Professional skills					✓				✓	
Communication	1 low	2	3	4	5 High	1 low	2	3	4	5 High
Understanding written and oral information					✓				✓	
Speaking to small group and making presentations				✓						✓

Capability of addressing the mass group					✓	✓			✓	
Writing effectively				✓						✓
Communication skills					✓				✓	
General	1 low	2	3	4	5 High	1 low	2	3	4	5 High
Understanding the basic concepts in a broad range of disciplines					✓					✓
Acquiring awareness of new scientific knowledge and discoveries				✓						✓
Understanding how science and technology influence society and everyday life					✓				✓	
Recognizing and acting on ethical principles				✓					✓	
Valuing learning as a lifelong process					✓					✓
Being involved in public and societal affairs				✓					✓	
Developing and sustaining an active and healthy lifestyle				✓						✓
Understanding issues and problems facing the world				✓					✓	
Understanding issues associated with gender equity, ragging					✓					✓

13. These questions ask about your experience as student at RIT. Please indicate the extent to which you agree or disagree with each of the statements. If you do not have the experience, please select the 'not applicable' response option.

	Agree	Tend to agree	Neither agree or disagree	Tend to disagree	Not applicable
My participation in value added courses/programs has had a constructive influence on my profession.		✓			
The knowledge and/or experiences I gained by engaging in Projects and participating in technical competitions such as Hackathon, Design contests, Coding Contests etc. has had a progressive impact on my occupation.		✓			
Involving in extra-curricular events has increased my interest in participating in current/future arts/cultural events.			✓		
My participation in internship programs, industrial visits and in-plant trainings has had a positive impact on my career.	✓				
Hindi and Foreign language courses at RIT helped me gain appreciation in my workplace.			✓		
My physical education activities in sports & games have had a positive influence on my present physical fitness and health habits.			✓		

Participating in NSS/YRC and other NGO service activities has had a lasting impact on my commitment towards improving the society.					

14. Your valuable opinions and suggestions are solicited for further improvement of the Institution Academic system

Sl. No.	Particulars	1 low	2	3	4	5 High
1.	The learning I had in the Institution is useful in my career.					✓
2.	The developments in the institution in recent years are appreciative.					✓
3.	RIT is involving alumni in its activities.				✓	
4.	Alumni have a role to play in academically strengthening the Institute further.				✓	
5.	Alumni have a role to play in infrastructural development of the Institution.				✓	
6.	Alumni should take initiative to efficiently enroll and strengthen the Alumni Association.				✓	

15. Valuable Suggestions:

a. What courses/workshops would you recommend for our students to improve their technical competency?

CCNA (Cisco Certification Network Association), Block chain

b. Did you identify any gap in the curriculum in the domain/fields of your organization? If so, could you recommend any online/value added courses for our students to bridge the industry-institute gap?

Static Route, ACL (Access Control List), Demonstrate (Topologies, Networking Devices).

Dynamic Route (RIP, EIGRP, OSPF, OSPF, BGP), SPT, NAT(X),

c. Any other comments:

Rifagan

Signature of the Candidate with date

RAMCO INSTITUTE OF TECHNOLOGY

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NBA Accredited UG Programs: CSE, EEE, ECE and MECH

Department of Computer Science and Engineering
Academic Year 2022 – 2023 (Odd/Even Semester)

Feedback on Curriculum and Syllabus from Faculty Members

Name of the faculty member: Ms. G. Sakthi Priya
Designation & Department: AP - CSE
Name of the programme : B.E
Course Code with Title : CS8651 Internet Programming

Sl.No.	Question	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)
1.	The course is relevant for programme (B.E./B.Tech. Computer Science & Engineering)	✓				
2.	Course content is relevant for current semester	✓				
3.	Course was helpful to achieve the learning outcome	✓				
4.	The syllabus emphasis on fundamentals as well as Modern / advanced topics.	✓				
5.	Sequence of Units and Topics are in order	✓				
6.	Course textbooks and reference books are adequate	✓				
7.	Course content helps the student to understand and apply the concepts of the programme		✓			
8.	Credits and periods (theory & tutorial) allocation for the course is adequate		✓			
9.	Course outcomes are clearly defined by the University		✓			
10.	Course content helps in attaining the POs and PSOs of the programme		✓			
11.	Curriculum and syllabus fulfill the Industrial Needs		✓			
12.	Suggestion for curriculum gap identified (if any)	Demo on Google Cloud platform to apply Internet programming.				
13.	Comments (Specify corrective measures for questionnaires with scale ≤ 3)	Good.				

G. Sakthi

Signature of the Faculty Member

RAMCO INSTITUTE OF TECHNOLOGY

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NBA Accredited UG Programs: CSE, EEE, ECE and MECH

Department of Computer Science and Engineering
Academic Year 20.22 – 20.23 (Odd/Even Semester)

Feedback on Curriculum and Syllabus from Faculty Members

Name of the faculty member: Mrs G. MAREESWARI
Designation & Department: AP & CSE
Name of the programme : BE
Course Code with Title : CS8691 / Artificial Intelligence

Sl.No.	Question	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)
1.	The course is relevant for programme (B.E./~~B.Tech.~~ Computer Science Engineering)	✓				
2.	Course content is relevant for current semester		✓			
3.	Course was helpful to achieve the learning outcome	✓				
4.	The syllabus emphasis on fundamentals as well as Modern / advanced topics.		✓			
5.	Sequence of Units and Topics are in order	✓				
6.	Course textbooks and reference books are adequate		✓			
7.	Course content helps the student to understand and apply the concepts of the programme		✓			
8.	Credits and periods (theory & tutorial) allocation for the course is adequate		✓			
9.	Course outcomes are clearly defined by the University	✓				
10.	Course content helps in attaining the POs and PSOs of the programme	✓				
11.	Curriculum and syllabus fulfill the Industrial Needs		✓			
12.	Suggestion for curriculum gap identified (if any)	AI Tools and packages related to theory concepts need to be covered.				
13.	Comments (Specify corrective measures for questionnaires with scale ≤ 3)	Good				

18/07/23
Signature of the Faculty Member

RAMCO INSTITUTE OF TECHNOLOGY

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NBA Accredited UG Programs: CSE, EEE, ECE and MECH

Department of Computer Science and Engineering
Academic Year 2022 – 2023 (Odd/Even Semester)

Feedback on Curriculum and Syllabus from Faculty Members

Name of the faculty member: M. SWARNA SUDHA
Designation & Department: AP(SG)/CSE
Name of the programme : BE
Course Code with Title : GE3151 - Problem Solving & Python Programming

Sl.No.	Question	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)
1.	The course is relevant for programme (B.E./B.Tech. ..... Engineering)		✓			
2.	Course content is relevant for current semester	✓				
3.	Course was helpful to achieve the learning outcome	✓				
4.	The syllabus emphasis on fundamentals as well as Modern / advanced topics.		✓			
5.	Sequence of Units and Topics are in order	✓				
6.	Course textbooks and reference books are adequate	✓				
7.	Course content helps the student to understand and apply the concepts of the programme	✓				
8.	Credits and periods (theory & tutorial) allocation for the course is adequate		✓			
9.	Course outcomes are clearly defined by the University	✓				
10.	Course content helps in attaining the POs and PSOs of the programme	✓				
11.	Curriculum and syllabus fulfill the Industrial Needs	✓				
12.	Suggestion for curriculum gap identified (if any)	Gaming Related Packages in Python can be included.				
13.	Comments (Specify corrective measures for questionnaires with scale ≤ 3)	—				

S. Sudha
Signature of the Faculty Member

RAMCO INSTITUTE OF TECHNOLOGY

HOD CSE <hodcse@ritrjpm.ac.in>

Requisition for Curriculum Gap- Suggestion-Reg.,

Dr. B Indira - CSE - ASE, Chennai Campus <b_indira@ch.amrita.edu> Wed, Mar 15, 2023 at 1:27 PM
To: HOD CSE <hodcse@ritrjpm.ac.in>

Namah Shivaya Madam

As per part of your curriculum, I would like to suggest that, inclusion of JFLAP (Java Formal Language and Automata Package).

JFLAP is a software tool for experimenting with formal languages and automata theory. Some of the benefits of JFLAP are:

Visualization: JFLAP provides a graphical user interface that enables users to easily visualize the structure of finite automata, pushdown automata, and Turing machines. Users can also visually trace the execution of input strings through these machines, which can aid in understanding how they operate.

Education: JFLAP is often used in academic settings as a teaching aid for courses on automata theory, formal languages, and computability. It can help students to better understand abstract concepts through interactive experimentation and visualization.

Testing: JFLAP can be used to test the correctness of algorithms and programs that work with automata theory. This can help to catch errors and bugs before they cause problems in larger systems.

Research: JFLAP can be used by researchers to experiment with new ideas in automata theory and to test the behavior of new models of computation.

Open source: JFLAP is an open-source software tool, which means that it is freely available to use and modify. This can make it more accessible to a wider audience and can lead to a larger community of users contributing to its development

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From: HOD CSE <hodcse@ritrjpm.ac.in>
Sent: Thursday, March 2, 2023 12:02 PM
To: Dr. B Indira - CSE - ASE, Chennai Campus <b_indira@ch.amrita.edu>
Subject: Requisition for Curriculum Gap- Suggestion-Reg.,

[Quoted text hidden]



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NBA Accredited UG Programs: CSE, EEE, ECE and MECH

Department of Computer Science and Engineering
Academic Year 2022 – 2023(Odd/Even Semester)

Feedback on Curriculum and Syllabus from Students

Name of the student : T. VIJAYALAKSHMI
Register Number : 953622104118
Semester & Department : I & CSE
Course Code with Title : GE3151- Problem Solving and Python Programming

Sl.No.	Question	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)
1.	The course is relevant for programme (B.E./B.Tech. ..... Engineering)	✓				
2.	Course objectives were clear and relevant to the syllabus		✓			
3.	The syllabus emphasis on fundamentals as well as Modern / advanced topics.	✓				
4.	Sequence of Units and Topics are in order	✓				
5.	Course text books and reference books listed are adequate		✓			
6.	Course content helps me to understand and apply the concepts of the stream	✓				
7.	Course helped me in improving problem solving ability	✓				
8.	Course stimulates my intellect to learn further related topics		✓			
9.	Course content helps in attaining the POs and PSOs of the programme	✓				
10.	Course stimulated my self-learning skills		✓			
11.	Curriculum and syllabus fulfill the Industrial Needs	✓				
12.	Suggestion for curriculum gap / content improvement identified (if any)	Industrial related training using python can be provided.				
13.	Overall comments on the Course	Good				

Vij
Signature of the Student

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Department of Computer Science and Engineering
Academic Year 20.. – 20..(Odd/Even Semester)

Feedback on Curriculum and Syllabus from Students

Name of the student : Girisankar. G
Register Number : 953622104023
Semester & Department : I & CSE
Course Code with Title : GE3151 Problem Solving and Python Programming

Sl.No.	Question	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)
1.	The course is relevant for programme (B.E./B.Tech. ..... Engineering)	✓				
2.	Course objectives were clear and relevant to the syllabus		✓			
3.	The syllabus emphasis on fundamentals as well as Modern / advanced topics.		✓			
4.	Sequence of Units and Topics are in order		✓			
5.	Course text books and reference books listed are adequate	✓				
6.	Course content helps me to understand and apply the concepts of the stream		✓			
7.	Course helped me in improving problem solving ability		✓			
8.	Course stimulates my intellect to learn further related topics	✓				
9.	Course content helps in attaining the POs and PSOs of the programme	✓				
10.	Course stimulated my self-learning skills		✓			
11.	Curriculum and syllabus fulfill the Industrial Needs	✓				
12.	Suggestion for curriculum gap / content improvement identified (if any)	Technical events related to programming				
13.	Overall comments on the Course	Good				

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Department of Computer Science and Engineering
Academic Year 2022 – 2023 (Odd Semester)

Feedback on Curriculum and Syllabus from Students

Name of the student : R. Vijayasarathy
Register Number : 953621104059
Semester & Department : 3rd & CSE
Course Code with Title : CS 3481

Sl.No.	Question	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)
1.	The course is relevant for programme (B.E./B.Tech. ..... B.E ..... Engineering)	✓				
2.	Course objectives were clear and relevant to the syllabus	✓				
3.	The syllabus emphasis on fundamentals as well as Modern / advanced topics.	✓				
4.	Sequence of Units and Topics are in order	✓				
5.	Course text books and reference books listed are adequate	✓				
6.	Course content helps me to understand and apply the concepts of the stream	✓				
7.	Course helped me in improving problem solving ability	✓				
8.	Course stimulates my intellect to learn further related topics		✓			
9.	Course content helps in attaining the POs and PSOs of the programme	✓				
10.	Course stimulated my self-learning skills	✓				
11.	Curriculum and syllabus fulfill the Industrial Needs		✓			
12.	Suggestion for curriculum gap / content improvement identified (if any)	It would be better if more industry related projects are provisioned for the core subjects.				
13.	Overall comments on the Course	Good.				

Signature of the Student

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Department of Computer Science and Engineering
Academic Year 2022 – 2023 (Odd Semester)

Feedback on Curriculum and Syllabus from Students

Name of the student : S. Siva Priya
Register Number : 953621104044
Semester & Department : III Semester & CSE
Course Code with Title : CS3301 - Data Structures

Sl.No.	Question	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)
1.	The course is relevant for programme (B.E./B.Tech. ..... Engineering)	✓				
2.	Course objectives were clear and relevant to the syllabus		✓			
3.	The syllabus emphasis on fundamentals as well as Modern / advanced topics.	✓				
4.	Sequence of Units and Topics are in order	✓				
5.	Course text books and reference books listed are adequate		✓			
6.	Course content helps me to understand and apply the concepts of the stream	✓				
7.	Course helped me in improving problem solving ability		✓			
8.	Course stimulates my intellect to learn further related topics	✓				
9.	Course content helps in attaining the POs and PSOs of the programme		✓			
10.	Course stimulated my self-learning skills	✓				
11.	Curriculum and syllabus fulfill the Industrial Needs	✓				
12.	Suggestion for curriculum gap / content improvement identified (if any)	Real time projects needed for Laboratories				
13.	Overall comments on the Course	Good				

Siva Priya
Signature of the Student

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Department of Computer Science and Engineering
Academic Year 20~~22~~– 20~~23~~ (Odd/Even Semester)

Feedback on Curriculum and Syllabus from Students

Name of the student : Jothi Lingapandian M
Register Number : 953620104021
Semester & Department : V & CSE
Course Code with Title : CS8591 - Computer Networks

Sl.No.	Question	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)
1.	The course is relevant for programme (B.E./B.Tech. ..... Engineering)	5				
2.	Course objectives were clear and relevant to the syllabus	5				
3.	The syllabus emphasis on fundamentals as well as Modern / advanced topics.		4			
4.	Sequence of Units and Topics are in order	5				
5.	Course text books and reference books listed are adequate			3		
6.	Course content helps me to understand and apply the concepts of the stream		4			
7.	Course helped me in improving problem solving ability		4			
8.	Course stimulates my intellect to learn further related topics		4			
9.	Course content helps in attaining the POs and PSOs of the programme	5				
10.	Course stimulated my self-learning skills			3		
11.	Curriculum and syllabus fulfill the Industrial Needs		4			
12.	Suggestion for curriculum gap / content improvement identified (if any)	To teach about Network related attacks such as MITM in Practical and attacks on networking devices and Preventing them.				
13.	Overall comments on the Course	The course was useful to me to understand the basics of Crypto and network security				

Signature of the Student

RAMCO INSTITUTE OF TECHNOLOGY

CURRICULUM FEEDBACK

Academic Year: 2022-2023(odd Semester)

Name of the Subject:MA3354 - Discrete Mathematics
Name of the Faculty:SATHIKALA L
Year/Semester:II / III - CSE

Sl.No	Name of the student / Roll No. (optional)	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13
1		3	3	3	3	3	3	3	3	3	4	4	nil	good
2		5	5	5	5	5	5	5	5	5	5	5	no	good
3		5	5	5	5	5	5	5	5	5	5	5	no	good
4		5	4	4	5	4	4	5	5	4	5	5	-	GOOD
5		5	5	5	5	5	5	5	5	5	5	5	no	good
6		4	3	4	3	4	4	4	3	4	4	4	no	good
7		5	5	5	5	5	5	5	5	5	5	5	good	good
8		5	4	4	4	4	5	5	5	5	5	5	No	Good
9		5	4	4	4	4	4	4	4	4	4	4	-	-
10		5	5	5	5	5	5	5	5	5	5	5	no	good
11		5	5	5	5	5	5	5	5	5	5	5	GOOD	GOOD
12		5	4	5	5	5	4	5	4	5	5	5	good	-
13		5	5	5	5	5	5	5	5	5	5	5	no	good
14		4	4	4	5	5	4	4	5	4	4	4	good	good
15		5	5	5	5	5	5	5	5	5	5	5	good	good
16		3	3	3	3	3	3	3	3	3	3	3	good	good
17		5	5	5	5	5	5	5	5	5	5	5	no	good

Sl.No	Name of the student / Roll No. (optional)	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13
18		4	4	3	4	4	4	4	5	4	4	4	-	good
19		4	3	4	4	4	4	4	4	4	4	4	no	good
20		5	5	5	5	4	5	5	4	4	5	5	nothing	good
21		5	5	5	5	5	5	5	5	5	5	5	-	good
22		5	4	4	5	5	4	4	4	5	5	5	good	good
23		4	4	4	4	4	4	4	4	4	4	4	no	good
24		4	4	5	4	5	4	5	4	5	4	4	-	-
25		4	4	4	4	4	4	4	4	5	4	4	-	-
26		4	3	3	4	4	3	4	3	4	4	3	-	-
27		4	5	4	4	4	4	4	4	4	4	4	no	good
28		5	4	4	4	4	4	4	4	4	4	4	nil	nil
29		4	4	4	4	4	4	4	4	4	4	4	Nil	Nil
30		5	2	1	1	5	5	5	5	5	4	3	-	-
31		5	5	5	5	5	5	5	5	5	5	5	Good	Good
32		5	5	5	5	5	5	5	5	5	5	5	nil	good
33		5	5	5	5	5	5	5	5	5	5	5	GOOD	GOOD
34		5	5	5	5	5	5	5	5	5	5	5	nil	very good
35		5	4	5	4	5	4	5	4	5	4	5	nill	Good
36		3	3	4	3	3	3	3	4	3	3	3	good	good
37		5	4	4	4	5	4	4	5	5	4	4	nothing	good
38		4	4	4	3	4	4	4	4	4	4	4	nil	nil

Sl.No	Name of the student / Roll No. (optional)	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13
39		3	4	4	3	4	3	5	4	3	4	3	Nothing	Good
40		1	5	1	2	5	5	5	5	5	5	5	-	-
41		4	3	5	4	4	3	5	4	3	2	5	good	good
42		5	4	4	4	4	4	4	4	4	5	4	No	Good
43		5	5	5	5	5	5	5	5	5	5	5	nil	very good
44		3	3	3	3	3	3	3	3	3	3	3	Good	Good
45		5	5	5	5	5	5	5	5	5	5	5	-	good
46		5	5	5	5	5	5	5	5	5	5	5	-	good
47		5	5	5	5	4	4	4	5	5	5	5	.	.
48		5	4	4	4	4	4	4	5	4	4	5	NIL	GOOD
49		5	4	5	4	5	4	4	5	4	4	4	NIL	GOOD
50		4	4	4	4	4	4	4	4	4	4	4	.	.
51		5	5	5	5	5	5	5	5	5	5	5	no	very useful
52		5	5	5	5	5	5	5	5	5	5	5	no	very useful
53		5	5	5	5	5	5	5	5	5	5	5	None	Good
54		5	5	5	5	5	5	5	5	5	5	5	nil	good
55		4	4	4	4	4	4	4	4	4	4	4	none	none
56		5	5	5	5	4	5	4	4	4	4	5	NIL	GOOD
57		5	5	5	5	5	4	5	4	5	5	5	good	good
58		5	5	5	5	5	5	5	5	5	5	5	-	good

Sl.No	Name of the student / Roll No. (optional)	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13
59		4	4	4	4	4	4	4	4	4	4	4	-	GOOD
60		5	5	5	5	5	5	5	5	5	5	5	null	verygood
61		4	4	4	4	4	4	4	4	4	4	4	nil	nil
62		5	4	4	4	4	4	5	4	4	5	4	no	no
63		5	5	5	5	5	5	5	5	5	5	5	Nil	good

Class

Adviser HoD Principal

RAMCO INSTITUTE OF TECHNOLOGY

CURRICULUM FEEDBACK

Academic Year: 2022-2023(odd Semester)

Name of the Subject:CS3351 - Digital Principles and Computer Organization
Name of the Faculty:
Year/Semester:II / III - CSE

Sl.No	Name of the student / Roll No. (optional)	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13
1		4	4	4	4	4	4	4	4	4	4	4	nil	good
2		5	5	5	5	5	5	5	5	5	5	5	no	good
3		4	3	4	3	4	4	4	4	4	4	4	no	good
4		5	4	4	4	4	5	4	4	5	5	5	-	GOOD
5		5	4	5	4	5	4	4	4	4	5	5	no	useful
6		4	3	4	4	3	4	4	5	4	3	3	no	good
7		4	4	4	4	4	4	4	4	4	4	4	No	Good
8		4	4	4	4	4	4	4	4	4	4	4	good	good
9		5	5	5	5	5	5	5	5	5	5	5	no	good
10		4	4	4	4	4	4	4	4	4	4	4	-	-
11		5	5	5	5	5	5	5	5	5	5	5	GOOD	GOOD
12		5	4	5	5	5	4	4	5	5	5	5	good	-
13		4	5	5	5	5	4	4	4	4	5	4	good	good
14		5	5	5	5	5	5	5	5	5	5	5	good	good
15		3	3	3	3	3	3	3	3	3	3	3	good	good
16		5	5	5	5	5	5	5	5	5	5	5	no	good
17		5	5	5	4	5	4	5	5	4	4	5	-	good

Sl.No	Name of the student / Roll No. (optional)	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13
18		4	4	4	4	4	4	4	4	4	4	4	no	good
19		5	5	5	5	4	5	4	5	4	5	5	nothing	good
20		5	5	5	5	5	5	5	5	5	5	5	-	good
21		5	5	5	5	5	5	5	5	5	5	5	good	good
22		4	4	4	4	4	4	4	4	4	4	4	no	good
23		4	4	3	4	4	4	4	4	5	4	5	-	-
24		4	5	4	5	4	4	5	4	5	4	5	-	-
25		4	4	4	5	4	5	4	4	4	4	5	-	-
26		4	4	4	4	4	4	4	4	4	4	4	nil	nil
27		4	4	4	4	4	4	4	4	4	4	4	no	good
28		4	4	4	4	4	4	4	4	4	4	4	Nil	Nil
29		5	5	5	5	5	5	5	5	5	5	5	-	-
30		5	5	4	3	5	5	4	3	4	4	4	Good	Good
31		5	5	5	5	5	5	5	5	5	5	5	nil	good
32		5	5	5	5	5	5	5	5	5	5	5	GOOD	GOOD
33		5	5	5	5	5	5	5	5	5	5	5	nil	good
34		3	4	4	3	4	3	4	3	3	3	4	good	good
35		5	4	5	4	5	4	5	4	5	4	5	nill	Good
36		4	4	4	4	3	4	4	4	4	4	4	nil	nil
37		5	4	5	5	4	4	5	4	5	4	5	nothing	good
38		4	4	4	5	4	5	3	5	4	3	4	Nothing	Good
39		5	5	5	5	5	5	5	5	5	5	5	-	-

Sl.No	Name of the student / Roll No. (optional)	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13
40		5	5	5	5	5	5	5	5	5	5	5	good	good
41		3	3	4	4	3	3	3	4	3	4	3	No	Good
42		5	5	5	5	5	5	5	5	5	5	5	nil	very good
43		4	4	3	4	3	3	3	3	3	3	3	Good	Good
44		5	5	5	5	5	5	5	5	5	5	5	-	good
45		5	5	5	5	5	4	5	5	5	5	4	.	.
46		5	5	5	5	5	5	5	5	5	5	5	-	good
47		5	4	5	4	4	4	5	4	5	4	4	NIL	GOOD
48		5	4	5	4	5	4	5	4	5	4	5	NIL	GOOD
49		4	4	4	4	4	4	4	4	4	4	4	.	.
50		5	5	5	5	5	5	5	5	5	5	5	no	very useful
51		5	5	3	5	5	5	4	3	4	5	3	no	very useful
52		5	5	5	5	5	5	5	5	5	5	5	None	Good
53		4	4	4	4	4	4	4	4	4	4	4	nil	good
54		4	3	4	4	5	4	5	5	5	3	5	NIL	GOOD
55		4	4	4	4	4	4	3	3	3	2	4	none	none
56		5	4	5	4	5	5	5	5	4	4	5	good	good
57		4	4	4	4	4	4	4	4	4	4	4	good	GOOD
58		5	5	5	5	5	5	5	5	5	5	5	-	Good
59		5	5	5	5	5	5	5	5	5	5	5	null	verygood

Sl.No	Name of the student / Roll No. (optional)	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13
60		4	4	4	4	4	4	4	4	4	4	4	nil	nil
61		3	4	4	5	4	3	4	4	3	4	4	no	no
62		5	5	5	5	5	5	5	5	5	5	5	nil	good
63		5	5	5	5	5	5	5	5	5	5	5	Nil	good

Class

Adviser HoD Principal

RAMCO INSTITUTE OF TECHNOLOGY

CURRICULUM FEEDBACK

Academic Year: 2022-2023(odd Semester)

Name of the Subject:CS3352 - Foundations of Data Science
Name of the Faculty:VIGNESH SARAVANAN K
Year/Semester:II / III - CSE

Sl.No	Name of the student / Roll No. (optional)	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13
1		3	3	3	4	3	4	3	3	3	3	3	nil	good
2		5	5	5	5	5	5	5	5	5	5	5	no	good
3		5	4	4	5	5	5	5	5	5	5	5	no	good
4		5	4	4	5	4	4	5	4	5	5	4	-	GOOD
5		4	4	5	4	5	4	4	4	5	4	4	no	useful
6		4	3	4	5	5	4	4	3	4	4	3	no	good
7		5	5	5	5	5	4	4	5	5	5	4	No	Good
8		5	5	5	5	5	4	4	4	4	4	4	good	good
9		5	5	5	5	5	5	5	5	5	5	5	no	good
10		5	5	5	5	5	5	5	5	5	5	5	GOOD	GOOD
11		5	5	5	5	5	5	5	4	4	5	5	good	-
12		5	5	5	5	5	5	5	5	5	5	5	good	good
13		4	4	5	4	5	4	4	4	4	4	4	good	good
14		3	3	3	3	3	3	3	3	3	3	3	good	good
15		5	5	5	5	5	5	5	5	5	5	5	no	good
16		4	3	3	4	3	4	3	4	4	4	3	-	good
17		5	5	5	5	5	5	5	5	4	5	5	nothing	good

Sl.No	Name of the student / Roll No. (optional)	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13
18		4	4	4	4	4	4	4	4	4	4	4	no	good
19		5	5	5	5	5	5	5	5	5	5	5	-	good
20		5	4	4	4	5	5	5	5	5	5	5	good	good
21		4	4	4	4	4	4	4	4	4	4	4	no	good
22		4	4	4	4	4	5	4	5	4	5	4	-	-
23		4	4	5	5	4	4	4	5	4	5	4	-	-
24		4	4	5	4	5	5	4	5	4	4	4	-	-
25		3	3	1	5	4	4	2	5	2	1	3	-	-
26		5	4	4	4	4	4	4	4	4	5	4	nil	nil
27		4	4	4	4	4	4	4	4	4	4	4	no	good
28		4	4	4	4	4	4	4	4	4	4	4	Nil	Nil
29		5	5	5	5	5	5	5	5	5	5	5	-	-
30		5	4	4	3	3	4	4	5	4	4	3	Good	Good
31		3	3	4	4	3	3	3	3	3	3	3	GOOD	GOOD
32		5	5	5	5	5	5	5	5	5	5	5	nil	good
33		4	4	4	4	4	4	4	4	4	4	4	nil	nil
34		4	4	3	3	3	4	4	3	4	4	3	good	good
35		5	4	4	4	4	4	4	4	3	4	4	nil	good
36		5	4	5	4	5	4	5	4	5	4	5	nill	Good
37		5	5	5	5	5	5	5	5	5	5	5	nothing	good
38		5	4	3	5	4	3	4	5	4	3	5	Nothing	Good
39		5	5	5	5	5	5	5	5	5	5	5	-	-

Sl.No	Name of the student / Roll No. (optional)	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13
40		3	3	3	3	3	3	3	3	3	4	3	No	Good
41		5	3	5	4	4	4	4	4	4	4	5	good	good
42		5	5	5	5	5	5	5	5	5	5	5	nil	very good
43		4	4	4	4	4	4	4	4	4	4	4	Good	Good
44		5	5	5	5	5	5	5	5	5	5	5	-	good
45		5	5	5	5	5	4	5	5	5	5	4	.	.
46		5	5	5	5	5	5	5	5	5	5	5	-	good
47		5	5	5	5	5	5	5	5	5	5	4	NIL	GOOD
48		5	4	4	4	3	4	5	4	5	4	4	NIL	GOOD
49		4	4	4	4	4	4	4	4	4	4	4	..	.
50		5	5	5	5	5	5	5	5	5	5	5	no	very useful
51		5	5	5	5	5	5	5	5	5	5	5	no	very useful
52		5	5	5	5	5	5	5	5	5	5	5	None	Good
53		5	5	5	5	5	5	5	5	5	5	5	nil	good
54		5	5	5	5	5	5	5	5	5	5	5	NIL	GOOD
55		5	4	4	3	2	4	5	5	5	4	4	none	none
56		5	5	5	4	4	5	5	5	5	5	5	good	good
57		4	4	4	4	4	4	4	4	4	4	4	-	GOOD
58		5	5	5	5	5	5	5	5	5	5	5	-	Good
59		5	5	5	5	5	5	5	5	5	5	5	null	verygood

Sl.No	Name of the student / Roll No. (optional)	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13
60		4	4	4	4	4	4	4	4	4	4	4	nil	nil
61		4	3	4	4	3	4	4	5	3	4	4	no	no
62		5	5	5	5	5	5	5	5	5	5	5	nil	good
63		5	5	5	5	5	5	5	5	5	5	5	Nil	good

Class

Adviser HoD Principal

RAMCO INSTITUTE OF TECHNOLOGY

CURRICULUM FEEDBACK

Academic Year: 2022-2023(odd Semester)

Name of the Subject:CS3301 - Data Structures
Name of the Faculty:JOTHI THILAGA P
Year/Semester:II / III - CSE

Sl.No	Name of the student / Roll No. (optional)	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13
1		2	3	4	4	4	4	3	3	3	3	3	nil	good
2		5	5	5	5	5	5	5	5	5	5	5	no	good
3		5	4	4	5	4	5	5	5	5	5	5	no	good
4		5	5	5	5	4	4	5	4	5	5	4	-	GOOD
5		5	5	5	5	5	5	5	5	5	5	5	no	good
6		5	5	4	5	5	5	5	5	4	5	5	no	useful
7		5	5	5	5	5	5	5	5	5	5	5	no	good
8		5	5	5	5	5	5	5	5	5	5	5	good	good
9		5	5	5	5	5	5	5	5	5	5	5	No	Good
10		5	5	5	5	5	5	5	5	5	5	5	GOOD	GOOD
11		5	5	5	5	5	5	5	4	4	5	5	-	good
12		5	5	5	5	5	5	5	5	5	5	5	good	good
13		5	5	5	5	5	4	4	4	4	4	4	good	good
14		3	3	3	3	3	3	3	3	3	3	3	good	good
15		5	5	5	5	5	5	5	5	5	5	5	no	good
16		5	5	5	4	5	5	4	5	5	4	5	-	good
17		5	5	5	5	5	4	5	5	5	5	5	nothing	good

Sl.No	Name of the student / Roll No. (optional)	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13
18		4	4	4	4	4	4	4	4	4	4	4	no	good
19		5	5	5	5	5	5	5	5	5	5	5	-	good
20		5	5	5	5	5	5	5	5	5	5	5	good	good
21		4	4	4	4	4	4	4	4	4	4	4	no	good
22		4	5	4	5	4	5	4	4	5	4	5	-	-
23		4	5	4	4	4	4	4	4	4	5	4	-	-
24		4	4	4	4	4	4	4	4	4	4	4	-	Good
25		5	5	5	5	5	5	5	5	5	5	5	-	-
26		4	5	4	4	4	4	4	4	4	5	4	nil	nil
27		5	5	5	5	5	5	5	5	5	5	5	no	good
28		5	5	5	5	5	5	5	5	5	5	5	nil	good
29		5	5	5	5	5	5	5	5	5	5	5	-	-
30		5	5	5	5	5	5	5	5	5	5	5	Good	Good
31		4	4	4	4	4	4	4	4	4	4	4	Nil	Nil
32		5	5	5	5	5	5	5	5	5	5	5	GOOD	GOOD
33		5	5	5	5	5	5	5	5	5	5	5	nil	very good
34		5	4	4	4	4	4	4	4	4	4	4	nil	nil
35		3	4	4	4	4	3	3	3	4	3	4	good	good
36		5	4	5	4	5	4	5	4	5	4	5	nill	Good
37		5	5	4	5	4	5	5	5	4	5	5	nothing	good
38		5	4	3	4	3	3	4	5	3	4	4	Nothing	Good

Sl.No	Name of the student / Roll No. (optional)	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13
39		5	5	5	5	5	5	5	5	5	5	5	-	-
40		4	4	4	4	4	4	4	4	4	5	4	No	Good
41		4	4	4	4	3	4	3	4	3	4	4	-	-
42		5	5	5	5	5	5	5	5	5	5	5	nil	very good
43		4	4	4	4	4	4	4	4	4	4	4	Good	Good
44		5	5	5	5	5	5	5	5	5	5	5	-	good
45		4	4	4	4	5	4	5	5	5	5	5	.	.
46		5	5	5	5	5	5	5	5	5	5	5	-	good
47		4	4	4	4	5	4	4	4	3	4	4	NIL	GOOD
48		5	5	5	5	5	5	5	5	5	5	5	NIL	GOOD
49		3	3	3	3	3	3	3	3	3	3	3	.	.
50		5	5	5	5	5	5	5	5	5	5	5	no	very useful
51		5	4	3	2	4	4	3	5	2	2	3	no	very useful
52		5	5	5	5	5	5	5	5	5	5	5	None	Good
53		5	5	5	5	5	5	5	5	5	5	5	nil	good
54		5	5	5	5	5	5	5	5	5	5	5	NIL	GOOD
55		5	4	4	4	4	4	4	4	3	4	4	none	none
56		5	5	5	5	5	5	5	5	5	5	5	super	super
57		4	4	4	4	4	4	4	4	4	4	4	-	GOOD
58		5	5	5	5	5	5	5	5	5	5	5	-	Good

Sl.No	Name of the student / Roll No. (optional)	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13
59		5	5	5	5	5	5	5	5	5	5	5	null	verygood
60		4	4	4	4	4	4	4	4	4	4	4	nil	nil
61		3	3	3	4	3	4	3	4	3	4	3	no	no
62		5	5	5	5	5	5	5	5	5	5	5	nil	good
63		5	5	5	5	5	5	5	5	5	5	5	Nil	good

Adviser Class HoD Principal

RAMCO INSTITUTE OF TECHNOLOGY

CURRICULUM FEEDBACK

Academic Year: 2022-2023(odd Semester)

Name of the Subject:CS3391 - Object Oriented Programming
Name of the Faculty:VIJAYALAKSHMI K
Year/Semester:II / III - CSE

Sl.No	Name of the student / Roll No. (optional)	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13
1		4	4	4	4	4	4	4	4	4	4	4	nil	good
2		5	5	5	5	5	5	5	5	5	5	5	no	good
3		3	4	3	3	3	4	3	4	3	4	4	no	good
4		5	4	5	5	4	5	5	4	5	5	4	-	GOOD
5		4	4	4	3	4	4	4	5	4	5	3	no	useful
6		4	4	3	3	4	2	4	3	4	3	3	no	good
7		5	5	5	5	5	5	5	5	5	5	5	no	good
8		5	5	5	5	5	5	5	5	5	5	5	No	Good
9		5	5	5	5	5	5	5	5	5	5	5	good	good
10		5	5	5	5	5	5	5	5	5	5	5	GOOD	GOOD
11		5	5	5	4	4	5	5	4	5	5	5	-	good
12		5	5	5	5	5	5	5	5	5	5	5	good	good
13		5	5	5	5	5	4	4	4	4	4	4	good	good
14		3	3	3	3	3	3	3	3	3	3	3	good	good
15		5	5	5	5	5	5	5	5	5	5	5	no	good
16		5	5	5	4	5	5	4	5	5	4	4	-	good
17		5	5	5	4	5	5	5	5	4	5	5	nothing	good

Sl.No	Name of the student / Roll No. (optional)	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13
18		4	4	4	4	4	4	4	4	4	4	4	no	good
19		5	5	5	5	5	5	5	5	5	5	5	-	good
20		5	4	5	5	5	5	5	5	5	5	5	good	good
21		4	4	4	4	4	4	4	4	4	4	4	no	good
22		4	4	5	4	4	4	4	4	4	4	4	-	-
23		4	4	4	4	4	4	4	4	4	4	4	-	Good
24		5	4	4	4	4	4	5	4	5	5	4	-	-
25		2	3	4	1	4	4	3	4	3	3	4	-	-
26		4	4	4	4	4	4	4	4	4	4	4	nil	nil
27		5	5	5	5	5	5	5	5	5	5	5	no	good
28		5	5	5	5	5	5	5	5	5	5	5	-	-
29		5	5	5	5	5	5	5	5	5	5	5	Good	Good
30		4	4	4	4	4	4	4	4	4	4	4	Nil	Nil
31		5	5	5	5	5	4	4	4	4	4	4	nil	good
32		5	4	4	4	4	5	5	5	5	5	5	GOOD	GOOD
33		5	5	5	5	5	5	5	5	5	5	5	nil	good
34		4	4	4	4	4	4	4	4	4	4	4	nil	nil
35		3	3	4	4	3	3	3	3	3	4	3	good	good
36		5	4	5	4	5	4	5	4	5	4	5	nill	Good
37		5	4	4	4	4	4	5	5	4	4	4	nothing	good
38		4	5	4	3	3	4	4	5	4	5	4	Nothing	Good
39		5	5	5	5	5	5	5	5	5	5	5	-	-

Sl.No	Name of the student / Roll No. (optional)	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13
40		4	4	3	4	3	4	4	4	4	4	4	No	Good
41		5	5	5	4	4	4	4	4	4	3	3	-	-
42		5	5	5	5	5	5	5	5	5	5	5	nil	very good
43		4	4	4	4	4	4	4	4	4	4	4	Good	Good
44		5	5	5	5	5	5	5	5	5	5	5	-	good
45		5	4	4	4	4	5	5	4	4	5	5	.	.
46		5	5	5	5	5	5	5	5	5	5	5	-	good
47		4	4	4	3	2	3	3	3	3	4	4	NIL	GOOD
48		5	4	4	4	3	4	3	4	3	2	2	NIL	GOOD
49		4	4	4	4	4	4	4	4	4	4	4	.	.
50		5	5	5	5	5	5	5	5	5	5	5	no	very useful
51		5	4	3	4	3	4	3	4	3	4	3	no	very useful
52		5	5	5	5	5	5	5	5	5	5	5	None	Good
53		5	5	5	5	5	5	5	5	5	5	5	nil	good
54		5	4	5	4	5	5	5	4	4	5	5	NIL	GOOD
55		5	4	5	5	4	5	5	5	4	5	5	none	none
56		5	5	5	4	5	4	5	5	5	5	5	good	good
57		5	5	5	5	5	5	5	5	5	5	5	-	Good
58		4	4	4	4	4	4	4	4	4	4	4	-	GOOD
59		5	5	5	5	5	5	5	5	5	5	5	null	verygood

Sl.No	Name of the student / Roll No. (optional)	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13
60		4	4	4	4	4	4	4	4	4	4	4	nil	nil
61		4	2	2	2	2	2	2	2	2	2	2	no	no
62		5	5	5	5	5	5	5	5	5	5	5	nil	good
63		5	5	5	5	5	5	5	5	5	5	5	Nil	good

Class

Adviser HoD Principal

RAMCO INSTITUTE OF TECHNOLOGY

CURRICULUM FEEDBACK

Academic Year: 2022-2023(odd Semester)

Name of the Subject:CS8591 - Computer Networks
Name of the Faculty:GOMATHY NAYAGAM M
Year/Semester:III / V - CSE

Sl.No	Name of the student / Roll No. (optional)	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13
1		5	5	5	5	5	5	5	5	5	5	5	Nil	good
2		4	4	4	4	4	4	4	4	4	4	4	nil	nil
3		4	4	4	4	4	4	4	4	4	4	4	nill	nill
4		5	5	5	5	5	5	5	5	5	5	5	-	-
5		5	4	5	4	3	5	4	3	5	4	4	NIL	GOOD
6		4	4	4	4	4	4	4	4	4	4	4	nil	nil
7		3	3	3	3	3	3	3	3	3	3	3	nil	nil
8		5	5	5	5	5	5	5	5	5	5	5	good	.
9		5	5	5	5	5	5	5	5	5	5	5	no	good
10		5	5	5	5	4	5	5	5	5	5	5	Nil	Nil
11		5	5	5	5	4	5	5	4	5	4	5	Good	Good
12		3	3	3	3	3	3	3	3	3	3	3	nil	nil
13		5	5	5	5	5	5	5	5	5	5	5	nill]	nil
14		5	5	5	5	5	5	5	5	5	5	5	Nil	Good
15		5	5	5	5	5	5	5	5	5	5	5	nil	nil
16		5	5	5	5	5	5	5	5	5	5	5	-	-
17		5	5	5	5	5	5	5	5	5	5	5	Nil	Super

Sl.No	Name of the student / Roll No. (optional)	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13
18		4	4	4	4	4	4	4	4	4	4	4	nil	nil
19		5	5	5	5	5	5	5	5	5	5	5	nil	nil
20		4	4	4	4	4	4	4	4	4	4	4	nil	good
21		5	4	5	4	3	4	5	4	5	4	4	NIL	NIL
22		5	5	5	5	5	5	4	5	5	5	5	-	-
23		5	5	5	5	5	5	5	5	5	5	5	-	-
24		5	4	4	4	3	4	4	4	5	5	4	-	-
25		5	5	5	5	5	5	5	5	5	5	5	Nil	Good
26		5	5	5	5	5	5	5	5	5	5	5	Nil	Good
27		2	2	3	3	3	4	4	4	3	3	3	nil	nil
28		5	5	5	5	5	5	5	5	5	5	5	Nil	Nil
29		5	5	5	5	5	5	5	5	5	5	5	nil	no comments
30		5	5	5	5	5	5	5	5	5	5	5	Nil	Well and good
31		5	5	5	5	5	5	5	5	5	5	5	Nil	Good
32		5	5	5	5	5	5	5	5	5	5	5	nil	nil
33		5	5	5	5	5	5	5	5	5	5	5	Nil	Nil
34		5	5	5	5	5	5	5	5	5	5	5	NIL	NIL
35		5	5	5	5	5	5	5	5	5	5	5	N	Good
36		5	5	4	2	3	4	2	2	4	5	5	nil	nil
37		5	5	5	5	5	5	5	5	5	5	5	nil	nil
38		5	5	5	5	5	5	5	5	5	5	5	Nil	Good

Sl.No	Name of the student / Roll No. (optional)	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13
39		5	5	5	5	5	5	5	5	5	5	5	no	good
40		5	5	5	5	5	5	5	5	5	5	5	nothing	all good
41		4	4	5	5	5	5	5	5	4	5	4	.	good
42		5	5	5	5	5	5	5	5	5	5	5	.	.
43		5	5	5	5	5	5	5	5	5	5	5	nothing	Good
44		5	5	5	5	5	5	5	5	5	5	5	nil	nil
45		4	4	4	4	4	4	4	4	4	4	4	nil	good
46		4	5	5	5	4	5	5	5	5	4	4	NIL	GOOD
47		5	5	5	5	5	5	5	5	5	5	5	nil	nil
48		4	4	4	4	4	3	4	3	3	3	3	Nil	Good
49		5	5	5	5	5	4	5	5	4	4	3	NIl	NIl
50		5	4	5	3	4	4	4	3	4	5	4	No	Nill
51		4	4	4	4	4	4	4	4	5	5	5	Nil	Good
52		4	4	4	4	4	5	4	4	4	4	4	Good	Good
53		5	5	5	5	5	5	5	5	5	5	5	Nil	Good
54		4	4	4	3	3	3	3	3	3	3	4	Nil	Good
55		5	5	5	5	5	5	5	5	5	5	5	Nil	Nil
56		4	5	4	5	4	4	3	3	3	3	3	None	Good
57		5	5	5	5	5	5	5	5	5	5	5	Nil	Nil
58		5	5	5	5	5	5	5	5	5	5	5	Nothing	good
59		3	3	3	3	3	3	3	3	3	3	3		
60		5	5	5	5	5	5	5	5	5	5	5	-	-

Sl.No	Name of the student / Roll No. (optional)	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13
61		5	3	3	3	3	3	3	3	3	3	3	Nothing	Good
62		5	5	5	5	5	5	5	5	5	5	5	Nill	Nill
63		5	5	5	5	5	5	5	5	5	5	5	Nil	Excellent
64		4	4	4	4	4	4	4	4	4	4	4	Nil	Nice
65		5	5	5	5	5	5	5	5	5	5	5	nil	nil
66		5	5	5	5	5	5	5	5	5	5	5	nil	Good

Class

Adviser HoD Principal

RAMCO INSTITUTE OF TECHNOLOGY

CURRICULUM FEEDBACK

Academic Year: 2022-2023(odd Semester)

Name of the Subject:CS8501 - Theory of Computation
Name of the Faculty:MANJULA S
Year/Semester:III / V - CSE

Sl.No	Name of the student / Roll No. (optional)	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13
1		5	5	5	5	5	5	5	5	5	5	5	Nil	good
2		5	5	5	5	5	5	5	5	5	5	5	nil	nil
3		3	3	3	3	3	3	3	3	3	3	3	nil	nil
4		5	5	5	5	5	4	4	3	4	4	4	-	-
5		4	4	4	4	4	4	4	4	4	4	4	nill	nill
6		5	5	5	5	5	5	5	5	5	5	5	.	.
7		4	5	4	5	4	4	4	4	5	4	5	NIL	GOOD
8		5	5	5	5	5	5	5	5	5	5	5	no	good
9		5	5	5	5	5	5	5	5	5	5	5	Nil	Good
10		5	5	5	5	5	5	5	5	5	5	5	Nil	Knowledge gaining
11		5	5	5	5	5	5	5	5	5	5	5	nil	nil
12		5	5	5	5	5	5	5	5	5	5	5	nil	nil
13		5	5	5	5	5	5	5	5	5	5	5	Nil	Good
14		4	4	4	4	4	4	4	4	4	4	4	nil	nil
15		4	3	3	3	4	4	4	4	4	5	4	nil	nil
16		5	4	5	4	4	5	4	5	5	4	4	nil	nil

Sl.No	Name of the student / Roll No. (optional)	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13
17		4	4	4	4	4	4	4	4	4	4	4	nil	good
18		5	5	4	3	4	3	4	5	3	4	5	NIL	NIL
19		5	5	5	5	5	5	5	5	5	5	5	Nil	Good
20		5	5	5	5	5	5	5	5	5	5	5	-	-
21		5	5	5	5	5	5	5	5	5	5	5	-	-
22		4	4	4	4	4	4	4	4	4	4	4	nil	nil
23		5	5	4	4	4	4	5	5	5	5	4	Good	Good
24		5	5	5	5	5	5	5	5	5	5	5	nil	nil
25		5	5	5	5	5	5	5	5	5	5	5	Nil	Good
26		5	5	5	5	5	5	5	5	5	5	5	Nil	Nil
27		5	5	5	5	5	5	5	5	5	5	5	Nil	Good
28		5	5	5	5	5	5	5	5	5	5	5	Nil	Well and good
29		5	5	5	5	5	5	5	5	5	5	5	nil	no comments
30		5	5	5	5	5	5	5	5	5	5	5	nil	nil
31		5	5	5	5	5	5	5	5	5	5	5	-	Good
32		5	5	5	5	5	5	5	5	5	5	5	Nil	Nil
33		5	5	5	5	5	5	5	5	5	5	5	Nil	Good
34		5	5	4	3	2	1	2	3	4	5	4	nil	nil
35		5	5	5	5	5	5	5	5	5	5	5	NIL	NIL
36		5	5	5	5	5	5	5	5	5	5	5	nil	nil
37		5	4	3	3	3	3	3	3	3	3	4	Nil	Better

Sl.No	Name of the student / Roll No. (optional)	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13
38		5	5	5	5	5	5	5	5	5	5	5	no	good
39		5	5	5	5	5	5	5	5	5	5	5	nothing	all good
40		5	5	4	5	4	5	4	4	4	4	4	.	good
41		5	5	5	5	5	5	5	5	5	5	5	.	.
42		5	5	5	5	5	5	5	5	5	5	5	nil	nil
43		5	5	5	5	5	5	5	5	5	5	4	-	-
44		5	5	5	5	5	5	5	5	5	5	5	nothing	Good
45		4	4	4	4	4	4	4	4	4	4	4	nil	good
46		4	4	4	3	4	3	4	3	4	4	4	NIL	GOOD
47		5	5	5	5	5	5							
48		4	4	4	4	4	4	4	3	3	3	3	Nil	Good
49		5	5	5	5	5	5	5	5	5	5	5	Nil	Nill
50		5	4	5	4	5	5	4	5	5	5	5	No	Excellent
51		5	5	5	5	5	5	5	5	5	5	5	Good teaching	Good
52		5	4	4	4	4	4	4	4	4	4	4	Good	Good
53		5	5	5	5	5	5	5	5	5	5	5	Nil	Good
54		4	4	4	3	3	4	4	4	4	4	4	None	Good
55		5	5	5	5	5	5	5	5	5	5	5	Nil	Nil
56		4	5	4	4	4	4	4	4	4	4	3	None	Good
57		5	5	5	5	5	5	5	5	5	5	5	Nil	Nil
58		5	5	5	5	5	5	5	5	5	5	5	nothing	good

Sl.No	Name of the student / Roll No. (optional)	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13
59		3	3	3	3	3	3	3	3	3	3	3		
60		5	5	5	5	5	5	5	5	5	5	5	-	-
61		5	5	5	5	5	5	5	5	5	5	5	Nothing	Good
62		5	5	5	5	5	5	5	5	5	5	5	Nill	Very good
63		5	5	5	5	5	5	5	5	5	5	5	Nil	Excellent
64		4	3	4	4	4	4	4	4	4	4	4	Nil	Nice
65		5	5	5	5	5	5	5	5	5	5	5	nil	nil
66		5	5	5	5	5	5	5	5	5	5	5	Nil	Good

Class

Adviser HoD Principal

RAMCO INSTITUTE OF TECHNOLOGY

CURRICULUM FEEDBACK

Academic Year: 2022-2023(odd Semester)

Name of the Subject:MA8551 - Algebra and Number Theory
Name of the Faculty:SATHIKALA L
Year/Semester:III / V - CSE

Sl.No	Name of the student / Roll No. (optional)	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13
1		5	5	5	5	5	5	5	5	5	5	5	Nil	good
2		3	3	3	3	3	3	3	3	3	3	3	nil	nil
3		5	5	5	5	5	5	5	5	5	5	5	.	.
4		4	4	4	4	4	4	4	4	4	4	4	nil	nil
5		3	2	2	2	1	3	4	3	3	3	3	=	=
6		3	4	5	5	4	5	4	5	4	4	5	NIL	GOOD
7		5	5	5	5	5	5	5	5	5	5	5	Nil	Good
8		4	4	4	4	4	4	4	4	4	4	4	nill	nill
9		5	5	5	5	5	5	5	5	5	5	5	no	good
10		5	5	5	5	5	5	5	5	5	5	5	Nil	Very deep knowledge gaining
11		5	5	5	5	5	5	5	5	5	5	5	nil	nil
12		5	5	4	4	5	5	5	5	5	4	3	-	-
13		1	1	1	1	1	1	1	1	1	1	1	good	nil
14		5	5	5	5	5	5	5	5	5	5	5	Nil	Good
15		5	5	4	5	4	5	4	4	5	4	4	NIL	NIL
16		5	5	5	5	5	5	5	5	5	5	5	-	-

Sl.No	Name of the student / Roll No. (optional)	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13
17		5	5	5	5	5	5	5	5	5	5	5	-	-
18		4	4	4	4	4	4	4	4	4	4	4	nil	nil
19		4	4	4	4	4	4	4	4	4	4	4	nil	good
20		4	3	3	3	3	3	4	3	3	3	3	nil	nil
21		4	5	4	4	5	5	5	4	5	4	5	Good	Good
22		5	5	5	5	5	5	5	5	5	5	5	nil	nil
23		3	3	3	3	3	3	3	3	3	3	3	nil	nil
24		5	5	5	5	5	5	5	5	5	5	5	nil	no comments
25		5	5	5	5	5	5	5	5	5	5	5	Nil	Good
26		5	5	5	5	5	5	5	5	5	5	5	-	Good
27		5	5	5	5	5	5	5	5	5	5	5	Nil	Good
28		5	5	5	5	5	5	5	5	5	5	5	Nil	Nil
29		5	5	5	5	5	5	5	5	5	5	5	nil	nil
30		4	4	5	4	5	4	4	5	4	5	4	nil	nil
31		5	5	5	5	5	5	5	5	5	5	5	Nil	Good
32		5	5	5	5	5	5	5	5	5	5	5	nil	nil
33		5	5	5	5	5	5	5	5	5	5	5	Nil	Good
34		5	5	5	5	5	5	5	5	5	5	5	Nil	Well and good
35		5	5	5	5	5	5	5	5	5	5	5	Nil	Nil
36		5	4	3	2	1	2	3	4	5	4	3	nil	nil
37		5	4	4	4	4	4	4	4	4	4	5	Nil	Good

Sl.No	Name of the student / Roll No. (optional)	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13
38		5	5	5	5	5	5	5	5	5	5	5	NIL	NIL
39		5	5	5	5	5	5	5	5	5	5	5	no	good
40		5	5	5	5	5	5	5	5	5	5	5	nothing	all good
41		5	5	5	4	4	4	4	4	5	4	5	.	good
42		5	5	5	5	5	5	5	5	5	5	5	.	.
43		5	5	5	5	5	5	5	5	5	5	5	nil	nil
44		4	4	4	4	4	4	4	4	4	4	4	nil	good
45		4	4	4	4	4	4	4	4	4	4	4	NIL	GOOD
46		5	5	5	5	5	5	5	5	5	5	5	nothing	Good
47		5	5	5	5	5	5	5	5	5	5	5	nil	nil
48		4	4	3	3	3	3	4	3	4	3	3	Nil	Good
49		4	3	2	3	4	4	4	3	4	3	4	Nill	Good
50		5	5	4	4	5	4	5	4	5	5	5	Nil	Good
51		5	5	5	5	5	5	5	5	5	5	5	Nil	Nil
52		5	4	4	4	4	3	4	4	4	4	4	Nice	Good
53		5	5	5	5	5	5	5	5	5	5	5	Nil	Good
54		4	4	5	4	4	4	4	3	3	3	3	None	Good
55		5	5	5	5	5	5	5	5	5	5	5	Nil	Nil
56		4	3	3	3	3	5	4	4	4	4	4	None	Good
57		5	5	5	5	5	5	5	5	5	5	5	Nil	Nil
58		5	5	5	5	5	5	5	5	5	5	5	Nothing	good
59		3	3	3	3	3	3	3	3	3	3	3		

Sl.No	Name of the student / Roll No. (optional)	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13
60		5	5	5	5	5	5	5	5	5	5	5	-	-
61		5	5	4	5	4	5	5	4	5	5	5	Nothing	Good
62		5	5	5	5	5	5	5	5	5	5	5	Nill	Good
63		5	5	5	5	5	5	5	5	5	5	5	Nil	Excellent
64		4	4	4	4	4	4	4	4	4	4	4	Nil	Good
65		5	5	5	5	5	5	5	5	5	5	5	nil	nil
66		5	5	5	5	5	5	5	5	5	5	5	-	Good

Class

Adviser HoD Principal

RAMCO INSTITUTE OF TECHNOLOGY

CURRICULUM FEEDBACK

Academic Year: 2022-2023(odd Semester)

Name of the Subject:EC8691 - Microprocessors and Microcontrollers
Name of the Faculty:KANNAN B
Year/Semester:III / V - CSE

Sl.No	Name of the student / Roll No. (optional)	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13
1		5	5	5	5	5	5	5	5	5	5	5	nil	good
2		5	5	5	5	5	5	5	5	5	5	5	-	-
3		5	5	5	5	5	5	5	5	5	5	5	good	.
4		5	4	4	5	4	4	4	5	4	4	4	nil	nil
5		5	4	5	4	5	4	5	5	4	5	4	NIL	GOOD
6		5	5	5	5	5	5	5	5	5	5	5	nil	Good
7		4	4	4	4	4	4	4	4	4	4	4	nill	nill
8		5	5	5	5	5	5	5	5	5	5	5	Nil	Knowledge gaining
9		5	5	5	5	5	5	5	5	5	5	5	no	good
10		5	5	5	5	5	5	5	5	5	5	5	nil	nil
11		5	5	5	5	5	5	5	5	5	5	5	Nil	Good
12		5	5	4	5	4	4	4	3	4	3	4	NIL	NIL
13		5	5	5	5	5	5	5	5	5	5	5	nil	nil
14		5	5	5	5	5	5	5	5	5	5	5	-	-
15		5	5	5	5	5	5	5	5	5	5	5	-	-
16		5	5	5	5	5	5	5	5	5	5	5	nil	best staff Kannan

Sl.No	Name of the student / Roll No. (optional)	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13
17		4	4	4	4	4	4	4	4	4	4	4	nil	good
18		4	4	4	4	4	4	4	4	4	4	4	nil	nil
19		5	5	5	5	5	5	5	5	5	5	5	nil	nil
20		5	5	5	5	5	5	5	5	5	5	5	Nil	Very Good
21		5	5	5	4	4	4	2	5	4	5	4	-	-
22		4	5	5	5	5	4	4	5	5	5	4	Good	Good
23		5	5	5	5	5	5	5	5	5	5	5	Nil	Good
24		1	1	3	2	3	2	3	5	4	5	5	nil	nil
25		5	5	5	5	5	5	5	5	5	5	5	Nil	Nil
26		5	5	5	5	5	5	5	5	5	5	5	Nil	Good
27		5	5	5	5	5	5	5	5	5	5	5	nil	no comments
28		5	5	5	5	5	5	5	5	5	5	5	-	Good
29		5	5	5	5	5	5	5	5	5	5	5	nil	nil
30		5	5	5	5	5	5	5	5	5	5	5	Nil	Good
31		5	5	5	5	5	5	5	5	5	5	5	nil	nil
32		5	5	5	5	5	5	5	5	5	5	5	nil	nil
33		5	5	5	5	5	5	5	5	5	5	5	Nil	Well and good
34		5	5	5	5	5	5	5	5	5	5	5	Nil	Good
35		4	5	5	5	5	5	5	5	5	5	5	Nil	Excellent
36		5	5	5	5	5	5	5	5	5	5	5	nothing	all good
37		5	5	5	5	5	5	5	5	5	5	5	no	good

Sl.No	Name of the student / Roll No. (optional)	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13
38		5	5	5	5	5	5	5	5	5	5	5	Nil	Nil
39		5	5	5	5	5	5	5	5	5	5	5	.	good
40		5	5	5	5	5	5	5	4	4	5	4	nil	nil
41		5	5	5	5	5	5	5	5	5	5	5	.	.
42		5	5	5	5	5	5	5	5	5	5	5	nil	nil
43		5	5	5	5	5	5	5	5	5	5	5	NIL	NIL
44		4	4	4	4	4	4	4	4	4	4	4	nil	good
45		4	3	4	4	4	4	4	3	4	4	5	NIL	GOOD
46		5	5	5	5	5	5	5	5	5	5	5	nothing	Extra-ordinary
47		5	5	5	5	5	5	5	5	5	5	5	nil	nil
48		5	5	5	5	5	5	5	5	5	5	5	Nil	Good
49		5	4	4	5	4	4	5	4	4	5	5	Nill	Excellent
50		5	5	5	5	5	5	5	5	5	5	5	Good teaching	Good
51		5	5	5	5	5	5	5	5	5	5	5	Nil	Nil
52		5	5	4	4	4	4	4	4	4	4	4	Very Good	Good
53		5	5	5	5	5	5	5	5	5	5	5	Nil	Good
54		5	5	5	5	4	5	4	4	4	5	5	None	Good
55		5	5	5	5	5	5	5	5	5	5	5	Nil	Nil
56		5	5	4	4	4	4	4	4	4	5	5	None	Good
57		5	5	5	5	5	5	5	5	5	5	5	Nil	Nil

Sl.No	Name of the student / Roll No. (optional)	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13
58		5	5	5	5	5	5	5	5	5	5	5	Nothing	good
59		4	4	4	4	4	4	4	4	4	4	4		
60		5	5	5	5	5	5	5	5	5	5	5	-	-
61		5	5	5	5	5	4	5	4	4	4	4	Nothing	Good
62		5	5	5	5	5	5	5	5	5	5	5	Nill	Very good
63		5	5	5	5	5	5	5	5	5	5	5	Nil	Excellent
64		4	4	4	4	4	4	4	4	4	4	4	Nil	Nice
65		5	5	5	5	5	5	5	5	5	5	5	nil	nil
66		5	5	5	5	5	5	5	5	5	5	5	-	Good

Class

Adviser HoD Principal

RAMCO INSTITUTE OF TECHNOLOGY

CURRICULUM FEEDBACK

Academic Year: 2022-2023(odd Semester)

Name of the Subject:CS8592 - Object Oriented Analysis and Design
Name of the Faculty:SAKTHI PRIYA G
Year/Semester:III / V - CSE

Sl.No	Name of the student / Roll No. (optional)	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13
1		5	5	5	5	5	5	5	5	5	5	5	Nil	very good
2		5	5	5	5	5	5							
3		4	5	4	4	5	4	4	5	5	5	5	nil	nil
4		5	5	5	5	5	5	5	5	5	5	5	-	-
5		4	4	4	4	4	4	4	4	4	4	4	nil	nil
6		5	5	5	5	5	5	5	5	5	5	5	Nil	Very deep knowledge gaining
7		4	4	5	4	5	4	5	4	5	5	4	NIL	GOOD
8		4	4	4	4	4	4	4	4	4	4	4	nill	nill
9		5	5	5	5	5	5	5	5	5	5	5	nil	nil
10		5	5	5	5	5	5	5	5	5	5	5	Nil	Good
11		5	5	5	5	5	5	5	5	5	5	5	no	good
12		5	5	5	5	5	5	5	5	5	5	5	-	-
13		5	5	5	5	5	5	5	5	5	5	5	-	-
14		4	4	4	4	4	4	4	4	4	4	4	nil	nil
15		4	4	3	4	3	5	4	3	4	4	3	NIL	NIL
16		4	4	4	4	4	4	4	4	4	4	4	nil	good

Sl.No	Name of the student / Roll No. (optional)	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13
17		5	5	5	5	5	5	5	5	5	5	5	Nil	Good
18		5	5	5	5	4	4	5	5	4	5	4	Good	Good
19		5	5	5	5	5	5	5	5	5	5	5	no	nil
20		5	5	5	5	5	5	5	5	5	5	5	-	-
21		5	5	5	5	5	5	5	5	5	5	5	nil	nil
22		5	5	5	5	5	5	5	5	5	5	5	Nil	Good
23		3	3	3	3	3	3	3	3	3	3	3	nil	nil
24		5	5	5	5	5	5	5	5	5	5	5	Nil	Good
25		5	5	5	5	5	5	5	5	5	5	5	Nil	Nil
26		5	4	5	5	4	5	4	5	5	5	5	nil	nil
27		5	5	5	5	5	5	5	5	5	5	5	Nil	Good
28		5	5	5	5	5	5	5	5	5	5	5	-	Good
29		5	5	5	5	5	5	5	5	5	5	5	nil	nil
30		5	5	5	5	5	5	5	5	5	5	5	nil	no comments
31		5	5	5	5	5	5	5	5	5	5	5	nil	nil
32		4	5	4	5	4	5	4	5	4	5	4	nil	nil
33		2	2	2	3	4	3	5	4	4	4	5	Nil	Good
34		5	5	5	5	5	5	5	5	5	5	5	Nil	Good
35		5	5	5	5	5	2	5	2	2	2	2	Nil	Well and good
36		5	5	5	5	5	5	5	5	5	5	5	nothing	all good
37		5	5	5	5	5	5	5	5	5	5	5	no	good

Sl.No	Name of the student / Roll No. (optional)	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13
38		5	5	5	5	5	5	5	5	5	5	5	.	good
39		5	5	5	5	5	5	5	5	5	5	5	Nil	Nil
40		5	4	3	2	1	2	3	4	5	4	3	nil	nil
41		5	5	5	5	5	5	5	5	5	5	5	.	.
42		5	5	5	5	5	5	5	5	5	5	5	nil	nil
43		5	5	5	5	5	5	5	5	5	5	5	NIL	NIL
44		4	4	4	4	4	4	4	4	4	4	4	nil	good
45		4	4	5	4	5	4	5	4	5	4	4	NIL	GOOD
46		5	5	5	5	5	5	5	5	5	5	5	nothing	Very good
47		5	5	5	5	5	5	5	5	5	5	5	nil	nil
48		5	5	4	4	5	4	5	5	5	5	4	Nil	Good
49		5	4	4	5	4	4	3	5	4	4	5	Nill	Good
50		5	5	4	5	4	5	5	5	4	5	4	Good teaching	Good
51		5	5	5	5	5	5	5	5	5	5	5	Good	Good
52		5	5	5	5	5	5	5	5	5	5	5	Nil	Nil
53		5	5	5	5	5	5	5	5	5	5	5	Nil	Good
54		4	5	4	4	4	4	4	4	4	4	4	None	Good
55		5	5	5	5	5	5	5	5	5	5	5	Nil	Nil
56		5	5	5	5	5	5	5	5	5	5	5	None	Good
57		5	5	5	5	5	5	5	5	5	5	5	Nil	Nil
58		5	5	5	5	5	5	5	5	5	5	5	Nothing	good

Sl.No	Name of the student / Roll No. (optional)	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13
59		4	4	4	4	4	4	4	4	4	4	4		
60		5	5	5	5	5	5	5	5	5	5	5	-	-
61		5	5	5	5	5	5	5	5	5	5	5	Nothing	Good
62		5	5	5	5	5	5	5	5	5	5	5	Nill	Out standing
63		5	5	5	5	5	5	5	5	5	5	5	Nil	Excellent
64		4	4	4	4	4	4	4	4	4	4	4	Nil	Good
65		5	5	5	5	5	5	5	5	5	5	5	nil	nil
66		5	5	5	5	5	5	5	5	5	5	5	-	Good

Adviser Class HoD Principal

RAMCO INSTITUTE OF TECHNOLOGY

CURRICULUM FEEDBACK

Academic Year: 2022-2023(odd Semester)

Name of the Subject:OCE551 - Air Pollution and Control Engineering
Name of the Faculty:KANTHIMATHI G
Year/Semester:III / V - CSE

Sl.No	Name of the student / Roll No. (optional)	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13
1		5	5	5	5	5	5	5	5	5	5	5	Nil	Nil
2		5	5	5	5	5	5	5	5	5	5	5	-	-
3		4	4	4	4	4	4	4	4	4	4	4	nil	nil
4		4	4	5	5	5	5	4	4	5	5	5	nil	nil
5		5	5	5	5	5	5	5	5	5	5	5	Nil	Knowledge gaining
6		5	5	5	5	5	5	5	5	5	5	5	.	.
7		5	5	5	5	5	5	5	5	5	5	5	Nil	Good
8		5	5	5	5	5	5	5	5	5	5	5	nil	nil
9		5	5	5	5	5	5	5	5	5	5	5	-	-
10		4	4	4	4	4	4	4	4	4	4	4	nil	nil
11		5	5	5	5	5	5	5	5	5	5	5	-	-
12		5	5	5	5	5	5	5	5	5	5	5	no	good
13		4	5	4	5	4	5	4	5	4	5	4	nil	nil
14		4	4	4	4	4	4	4	4	4	4	4	nil	good
15		5	5	5	5	5	5	5	5	5	5	5	Nil	Good
16		4	4	4	4	4	4	4	4	4	4	4	nill	nill

Sl.No	Name of the student / Roll No. (optional)	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13
17		5	4	4	4	4	3	3	4	4	3	4	NIL	NIL
18		5	5	5	5	5	5	5	5	5	5	5	Good	Good
19		5	4	5	4	5	4	4	4	5	5	5	nil	nil
20		3	5	4	4	5	4	4	4	4	4	4	NIL	GOOD
21		5	5	5	5	5	5	5	5	5	5	5	Nil	Good
22		5	5	5	5	5	5	5	5	5	5	5	Nil	Good
23		5	5	4	5	5	4	5	4	5	5	5	nil	nil
24		4	4	4	4	4	4	4	4	4	4	4	nil	nil
25		5	5	5	5	5	5	5	5	5	5	5	Nil	Nil
26		5	5	5	5	5	5	5	5	5	5	5	-	Good
27		5	5	5	5	5	5	5	5	5	5	5	nil	nil
28		4	4	5	5	4	4	4	4	4	5	5	-	-
29		5	5	5	5	5	5	5	5	5	5	5	nil	no comments
30		5	5	5	5	5	5	5	5	5	5	5	nothing	all good
31		4	4	4	5	4	4	4	4	5	4	5	Nil	Excellent
32		5	5	5	5	5	5	5	5	5	5	5	nil	nil
33		5	5	5	5	5	5	5	5	5	5	5	nil	nil
34		5	5	5	5	5	5	5	5	5	5	5	Nil	Good
35		5	5	5	5	5	5	5	5	5	5	5	Nil	Well and good
36		5	4	3	2	1	3	4	3	1	5	4	nil	nil
37		5	5	5	5	5	5	5	5	5	5	5	Nil	Nil

Sl.No	Name of the student / Roll No. (optional)	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13
38		5	5	5	5	5	5	5	5	5	5	5	.	.
39		4	4	5	4	5	4	5	4	5	4	5	.	good
40		5	5	5	5	5	5	5	5	5	5	5	nil	nil
41		4	5	4	4	5	5	4	4	4	4	4	NIL	GOOD
42		4	4	4	4	4	4	4	4	4	4	4	nil	good
43		5	5	5	5	5	5	5	5	5	5	5	NIL	NIL
44		5	5	5	5	5	5	5	5	5	5	5	nothing	Good
45		5	5	5	5	5	5	5	5	5	5	5	nil	nil
46		5	5	5	5	5	5	5	5	5	5	5	Nil	Good
47		4	4	5	5	5	5	4	4	5	4	5	Nill	Excellent
48		5	5	5	5	5	5	5	5	5	5	5	Good teaching	Good
49		5	5	5	5	5	5	5	5	5	5	5	Good	Good
50		5	5	5	5	5	5	5	5	5	5	5	Nil	Good
51		5	5	5	5	5	5	5	5	5	5	5	Nil	Nil
52		5	5	5	5	4	4	5	4	5	4	4	None	Good
53		5	5	5	5	5	5	5	5	5	5	5	Nil	Nil
54		4	4	4	5	4	4	5	4	4	4	4	None	Good
55		5	5	5	5	5	5	5	5	5	5	5	Nil	Nil
56		5	5	5	5	5	5	5	5	5	5	5	Nothing	good
57		3	3	3	3	3	3	3	3	3	3	3		
58		5	5	5	5	5	5	5	5	5	5	5	-	-

Sl.No	Name of the student / Roll No. (optional)	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13
59		5	5	5	5	5	5	5	5	5	5	5	Nothing	Good
60		5	5	5	5	5	5	5	5	5	5	5	Nil	Very good
61		5	5	5	5	5	5	5	5	5	5	5	Nil	Excellent
62		4	4	4	4	4	4	4	4	4	4	4	Nil	Good
63		5	5	5	5	5	5	5	5	5	5	5	nil	nil
64		5	5	5	5	5	5	5	5	5	5	5	-	Good

Class

Adviser HoD Principal

RAMCO INSTITUTE OF TECHNOLOGY

CURRICULUM FEEDBACK

Academic Year: 2022-2023(odd Semester)

Name of the Subject:MG8591 - Principles of Management
Name of the Faculty:KATHIRAVAN S
Year/Semester:IV / VII - CSE

Sl.No	Name of the student / Roll No. (optional)	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13
1		5	5	5	5	5	5	5	5	5	5	5	Null	Good
2		5	4	5	5	4	5	4	4	4	5	5	No	No
3		4	5	4	4	5	4	4	4	5	4	5	No	-
4		5	5	5	5	5	5	5	5	5	5	5	Nothing	Good
5		5	5	5	5	5	5	5	5	5	5	5	No	Good
6		5	5	5	5	5	5	5	5	5	5	5	.	.
7		5	5	5	5	5	5	5	5	5	5	5	good	good
8		5	5	5	5	5	5	5	5	5	5	5	none	none
9		5	5	4	5	4	5	4	5	4	5	4		
10		5	5	5	5	5	5	5	5	5	5	5	No	Good
11		5	5	5	5	5	5	5	5	5	5	5	NO	Good
12		5	5	5	5	5	5	5	5	5	5	5	null	good
13		5	5	5	5	5	5	5	5	5	5	5	No	Goodd
14		5	5	5	5	5	5	5	5	5	5	5	null	good
15		5	5	5	5	5	5	5	5	5	5	5	No	Good
16		5	5	5	5	5	5	5	5	5	5	5	None	Good
17		5	4	5	5	5	4	5	5	5	5	5	none	none

Sl.No	Name of the student / Roll No. (optional)	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13
18		5	5	5	5	5	5	5	4	4	4	4	.	.
19		5	5	5	5	5	5	5	5	5	5	5	None	Good

Class

Adviser HoD Principal

RAMCO INSTITUTE OF TECHNOLOGY

CURRICULUM FEEDBACK

Academic Year: 2022-2023(odd Semester)

Name of the Subject:CS8792 - Cryptography and Network Security
Name of the Faculty:VENKATESH R
Year/Semester:IV / VII - CSE

Sl.No	Name of the student / Roll No. (optional)	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13
1		5	5	5	5	5	5	5	5	5	5	5	Null	Good
2		4	4	5	5	4	4	4	5	4	4	5	No	No
3		5	4	4	4	5	5	4	4	5	5	4	No	-
4		5	5	5	5	5	5	5	5	5	5	5	Nothing	Good
5		5	5	5	5	5	5	5	5	5	5	5	No	Good
6		5	5	5	5	5	5	5	5	5	5	5	.	.
7		5	5	5	5	5	5	4	5	5	5	5	good	good
8		5	5	5	5	5	5	5	5	5	5	5	none	none
9		5	5	4	5	4	5	4	5	4	5	4		
10		5	5	5	5	5	5	5	5	5	5	5	No	Good
11		5	5	5	5	5	5	5	5	5	5	5	No	Good
12		5	5	5	5	5	5	5	5	5	5	5	null	good
13		5	5	5	5	5	5	5	5	5	5	5	No	Goodd
14		5	5	5	5	5	5	5	5	5	5	5	null	good
15		2	2	2	2	2	2	2	2	2	2	2	No	.
16		5	5	5	5	5	5	5	5	5	5	5	None	Good
17		4	4	4	4	4	4	4	4	4	4	4	none	none

Sl.No	Name of the student / Roll No. (optional)	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13
18		5	5	5	5	5	5	5	5	5	5	5	None	Good

Class

Adviser HoD Principal

RAMCO INSTITUTE OF TECHNOLOGY

CURRICULUM FEEDBACK

Academic Year: 2022-2023(odd Semester)

Name of the Subject:CS8791 - Cloud Computing
Name of the Faculty:
Year/Semester:IV / VII - CSE

Sl.No	Name of the student / Roll No. (optional)	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13
1		5	5	5	5	5	5	5	5	5	5	5	Null	Good
2		5	4	5	5	4	4	4	5	4	5	5	No	-
3		5	4	4	5	4	4	5	4	4	5	4	No	-
4		5	5	5	5	5	5	5	5	5	5	5	Nothing	Good
5		5	5	5	5	5	5	5	5	5	5	5	No	Good
6		5	5	5	5	5	5	5	5	5	5	5	.	.
7		5	5	5	5	5	5	5	5	5	5	5	good	good
8		5	5	5	5	5	5	5	5	5	5	5	none	none
9		4	5	4	5	4	5	5	4	5	4	5		
10		5	5	5	5	5	5	5	5	5	5	5	No	Good
11		5	5	5	5	5	5	5	5	5	5	5	NO	Good
12		5	5	5	5	5	5	5	5	5	5	5	null	good
13		5	5	5	5	5	5	5	5	5	5	5	No	Goodd
14		5	5	5	5	5	5	5	5	5	5	5	null	good
15		5	5	5	5	5	5	5	5	5	5	5	No	Good
16		5	5	5	5	5	5	5	5	5	5	5	None	Good
17		4	4	4	4	4	4	4	4	4	4	4	none	none

Sl.No	Name of the student / Roll No. (optional)	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13
18		5	5	5	5	5	5	5	5	5	5	5	None	Good

Class

Adviser HoD Principal

RAMCO INSTITUTE OF TECHNOLOGY

CURRICULUM FEEDBACK

Academic Year: 2022-2023(odd Semester)

Name of the Subject:GE8077 - Total Quality Management (PE II)
Name of the Faculty:PRABU RAM G
Year/Semester:IV / VII - CSE

Sl.No	Name of the student / Roll No. (optional)	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13
1		5	5	5	5	5	5	5	5	5	5	5	Null	Good
2		4	4	4	3	4	4	3	4	4	4	4	Nothing	.
3		5	5	5	5	5	5	5	5	5	5	5	No	Good
4		5	5	5	5	5	5	5	5	5	5	5	good	good
5		5	4	5	5	4	5	4	5	4	5	5	No	-
6		4	5	4	4	5	4	5	4	4	5	4	No	-
7		3	3	3	3	3	3	3	3	3	3	3	-	-
8		5	5	5	5	5	5	5	4	4	4	4	.	.
9		5	5	5	4	4	4	4	4	4	4	4	...	...
10		5	5	5	4	5	5	5	5	5	5	5	good	good
11		5	5	5	5	5	5	5	5	5	5	5	-	-
12		4	5	5	5	4	4	5	4	5	5	5	none	none
13		5	5	5	5	5	5	5	5	5	5	5	no	good
14		5	4	5	4	5	5	4	5	5	5	4		
15		4	4	4	4	4	4	4	4	4	4	4	no	good
16		5	5	5	5	5	5	5	5	5	5	5	No	Good
17		5	5	5	5	5	5	5	5	5	5	5	No	Good

Sl.No	Name of the student / Roll No. (optional)	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13
18		5	5	5	5	5	5	5	5	5	5	5	NO	Good
19		5	5	5	5	5	5	5	5	5	5	5	null	good
20		5	5	5	5	5	5	5	5	5	5	5	-	-
21		5	5	5	5	5	5	5	5	5	5	5	null	good
22		3	3	3	3	3	3	3	3	3	3	3	Good	Good
23		5	5	5	5	5	5	5	5	5	5	5	None	Good
24		5	5	5	5	5	5	5	5	5	5	5	Good	Good
25		3	4	4	4	4	4	4	4	4	4	3	none	none
26		5	5	5	5	5	5	5	5	5	5	5	None	Good

Class

Adviser HoD Principal

RAMCO INSTITUTE OF TECHNOLOGY

CURRICULUM FEEDBACK

Academic Year: 2022-2023(odd Semester)

Name of the Subject:GE8073 - Fundamentals of Nanoscience
Name of the Faculty:SENTHILKUMAR O
Year/Semester:IV / VII - CSE

Sl.No	Name of the student / Roll No. (optional)	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13
1		5	5	5	5	5	5	5	5	5	5	5	Null	Good
2		5	4	4	4	4	5	5	5	4	4	5	No	-
3		4	4	5	4	4	5	5	4	4	5	5	No	-
4		4	5	4	5	4	4	4	5	5	5	5	Nothing	-
5		5	5	5	5	5	5	5	5	5	5	5	No	Good
6		5	5	5	5	5	5	5	5	5	5	5	none	none
7		4	5	4	5	4	5	4	5	4	5	4		
8		5	5	5	5	5	5	5	5	5	5	5	No	Good
9		5	5	5	5	5	5	5	5	5	5	5	No	Good
10		5	5	5	5	5	5	5	5	5	5	5	null	good
11		5	5	5	5	5	5	5	5	5	5	5	No	Goodd
12		5	5	5	5	5	5	5	5	5	5	5	null	good
13		5	5	5	5	5	5	5	5	5	5	5	Good	Good
14		5	5	5	5	5	5	5	5	5	5	5	None	Good
15		5	4	5	4	4	4	4	4	4	4	3	none	none

Class

Adviser HoD Principal

RAMCO INSTITUTE OF TECHNOLOGY

CURRICULUM FEEDBACK

Academic Year: 2022-2023(odd Semester)

Name of the Subject:OCE751 - Environmental and Social Impact Assessment
Name of the Faculty:CHOCKALINGAM T
Year/Semester:IV / VII - CSE

Sl.No	Name of the student / Roll No. (optional)	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13
1		5	5	5	5	5	5	5	5	5	5	5	Null	Good
2		4	4	4	4	5	4	4	4	5	4	4	No suggestions	..
3		5	5	5	5	5	5	5	5	5	5	5	good	good
4		5	5	5	5	5	5	5	5	5	5	5	-	-
5		5	5	5	5	5	5	5	5	5	5	5	no	good
6		4	4	4	4	4	4	4	4	4	4	4	no	good
7		5	5	5	5	5	5	5	5	5	5	5	No	Good
8		5	5	5	5	5	5	5	5	5	5	5	No	Good

Class

Adviser HoD Principal

RAMCO INSTITUTE OF TECHNOLOGY

CURRICULUM FEEDBACK

Academic Year: 2022-2023(odd Semester)

Name of the Subject:OCH752 - Energy Technology
Name of the Faculty:ARUN KUMAR R
Year/Semester:IV / VII - CSE

Sl.No	Name of the student / Roll No. (optional)	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13
1		5	5	5	5	5	5	5	5	5	5	5	No	Good
2		4	5	5	4	4	4	5	5	4	5	5	No	-
3		4	5	4	4	4	5	5	4	4	5	4	No	-
4		5	5	5	5	5	5	5	5	5	5	5	Nothing	Good teaching
5		5	4	5	5	5	4	5	5	5	5	5	.	.
6		4	5	4	4	4	4	4	4	4	4	4	...	...
7		5	5	5	5	5	5	5	5	5	5	5	good	good
8		5	5	5	5	5	5	5	5	5	5	5	none	none
9		5	4	5	4	5	4	5	5	4	5	5		
10		5	5	5	5	5	5	5	5	5	5	5	No	Good
11		5	5	5	5	5	5	5	5	5	5	5	null	good
12		5	5	5	5	5	5	5	5	5	5	5	-	Goodd
13		5	5	5	5	5	5	5	5	5	5	5	null	good
14		5	5	5	5	5	5	5	5	5	5	5	No	Good
15		5	5	5	5	5	5	5	5	5	5	5	None	Good
16		5	5	5	5	5	5	5	5	5	5	5	No	Good

Sl.No	Name of the student / Roll No. (optional)	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13
17		4	4	4	4	4	3	3	4	4	4	4	none	none
18		5	5	5	5	5	5	5	5	5	5	5	None	Good

Adviser Class HoD Principal

RAMCO INSTITUTE OF TECHNOLOGY

CURRICULUM FEEDBACK

Academic Year: 2022-2023(even Semester)

Name of the Subject:CS3452 - Theory of Computation
Name of the Faculty:MANJULA S
Year/Semester:II / IV - CSE

Sl.No	Name of the student / Roll No. (optional)	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13
1		5	5	5	5	5	5	5	5	5	5	5	No	Good
2		4	4	4	4	4	4	4	5	5	5	4	no	good
3		5	5	5	5	5	5	5	5	5	5	5	-	Good
4		5	5	5	5	5	5	5	5	5	5	5	Nil	Nil
5		5	5	5	5	5	5	4	5	5	5	5	-	-
6		5	5	5	5	5	5	5	5	5	5	5	-	-
7		5	4	4	4	5	5	5	5	5	4	5	no	good
8		5	5	5	5	5	5	5	5	5	5	5	No	Good
9		5	5	5	5	5	5	5	5	5	5	5	No	Good
10		4	3	4	3	4	3	4	3	4	3	3	No	Good
11		5	5	5	5	5	5	5	5	5	5	5	good	good
12		4	4	5	5	5	4	4	4	4	4	4	.	.
13		4	4	4	4	4	4	4	4	4	4	4	-	-
14		5	5	5	5	5	5	5	5	5	5	5	No	Good
15		5	5	5	5	5	5	5	5	5	5	5	-	good
16		5	5	5	5	5	5	5	5	5	5	5	nil	good
17		5	5	5	5	5	5	5	5	5	5	5	-	-

Sl.No	Name of the student / Roll No. (optional)	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13
18		5	5	5	5	5	5	5	5	5	5	5	-	Good
19		5	5	5	5	5	5	5	5	5	5	5	Nil	Nil
20		5	5	5	5	5	5	5	5	5	5	5	good	good
21		5	5	5	5	5	5	5	5	5	5	5	-	Good
22		5	4	5	5	5	5	5	5	5	5	5	good	good
23		5	5	5	5	5	5	5	5	5	5	5	no	good
24		5	4	5	5	5	5	5	4	5	4	5	-	good
25		5	5	5	5	5	5	5	5	5	5	5	Nil	Nil
26		5	4	4	4	4	4	5	5	5	5	5	-	good
27		5	5	5	5	5	5	5	5	5	5	5	-	good
28		5	5	5	5	5	5	5	5	5	5	5	Nil	Nil
29		5	5	5	5	5	5	5	5	5	5	5	-	-
30		5	5	5	5	5	5	4	4	4	5	4	nill	nill
31		5	5	5	5	5	5	4	5	5	5	5	Nil	Good
32		4	4	4	4	3	4	4	4	4	4	4	nil	nill
33		1	1	1	1	1	1	1	1	1	1	1	Good	Good
34		5	5	5	5	5	5	5	5	5	5	5	No	Good
35		4	4	4	4	4	4	4	4	4	4	4	...	...
36		5	5	5	5	5	5	5	4	4	4	4	no	good
37		5	4	4	4	4	4	4	4	4	4	4	_	_
38		5	5	5	4	4	4	4	4	4	4	4	-	-
39		5	5	5	5	5	5	5	5	5	5	5	nil	useful

Sl.No	Name of the student / Roll No. (optional)	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13
40		2	2	2	2	2	2	2	2	2	2	2	nil	nil
41		4	4	5	4	5	4	4	5	4	5	4	Nil	Nil
42		5	5	5	5	5	5	5	5	5	5	5	nil	nil
43		5	5	5	5	5	5	5	5	5	5	5	Nil	Nil
44		5	5	5	5	5	5	5	5	5	5	5	-	-
45		5	5	5	5	5	5	5	5	5	5	5	Nil	Excellent
46		5	5	5	5	5	5	5	5	5	5	5	nil	Good
47		5	5	4	5	5	4	4	4	4	4	4	NIL	GOOD
48		5	5	5	5	5	5	5	5	5	5	5	-	-
49		5	5	4	4	4	4	4	4	5	5	5	Nil	Nil
50		5	5	5	5	4	3	4	4	4	4	4	nil	excellent
51		4	4	3	3	4	3	4	3	4	3	4	Nil	Good
52		4	4	4	3	3	3	5	3	3	3	3	-	-
53		4	4	4	5	4	5	4	5	5	4	4	No comments	Good
54		5	5	5	5	5	5	5	5	5	5	5	Null	Null
55		4	4	4	4	4	4	4	4	4	4	4	Nil	NIL
56		5	5	5	5	5	5	5	5	5	5	5	Nil	NIL
57		5	5	5	5	5	5	5	5	5	5	5	Nil	NIL
58		5	5	5	5	5	5	5	5	5	5	5	Nil	Nil
59		5	5	5	5	5	5	5	5	5	5	5	nil	nil
60		5	5	5	5	5	5	5	5	5	5	5	Nil	Nill
61		4	4	4	4	4	4	4	4	4	4	4	.	.

Sl.No	Name of the student / Roll No. (optional)	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13
62		5	5	5	5	5	5	5	5	5	5	5	Good	Good
63		3	4	3	2	3	3	3	3	3	3	4	nil	nil

Class

Adviser HoD Principal

RAMCO INSTITUTE OF TECHNOLOGY

CURRICULUM FEEDBACK

Academic Year: 2022-2023(even Semester)

Name of the Subject:CS3491 - Artificial Intelligence and Machine Learning
Name of the Faculty:GOMATHY NAYAGAM M
Year/Semester:II / IV - CSE

Sl.No	Name of the student / Roll No. (optional)	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13
1		5	5	5	5	5	5	5	5	5	5	5	No	Good
2		4	4	4	4	5	4	5	4	4	4	5	no	good
3		5	5	5	5	5	5	5	5	5	5	5	-	Good
4		5	5	5	5	5	5	5	5	5	5	5	Nil	Nil
5		4	4	4	5	5	5	5	5	4	5	4	-	-
6		4	4	4	5	4	4	5	5	4	4	4	no	good
7		4	4	5	4	4	4	4	4	4	4	4	No	Good
8		4	3	4	3	4	4	4	4	4	4	3	No	Good
9		5	5	5	5	5	5	5	5	5	5	5	No	Good
10		5	5	5	5	5	5	5	5	5	5	5	good	good
11		5	5	4	4	4	4	4	4	4	4	4	.	.
12		4	4	4	4	4	4	4	4	4	4	4	-	-
13		5	5	5	5	5	5	5	5	5	5	5	No	Good
14		5	5	5	5	5	5	5	5	5	5	5	-	good
15		5	5	5	5	5	5	5	5	5	5	5	nil	good
16		5	5	5	5	5	5	5	5	5	5	5	-	-
17		5	5	5	5	5	5	5	5	5	5	5	-	Good

Sl.No	Name of the student / Roll No. (optional)	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13
18		5	5	5	5	5	5	5	5	5	5	5	Nil	Nil
19		5	5	5	5	5	5	5	5	5	5	5	good	good
20		5	5	5	5	5	5	5	5	5	5	5	-	Good
21		5	5	5	4	4	5	4	5					
22		5	5	4	5	4	4	5	5	5	5	5	-	good
23		5	5	5	5	5	5	5	5	5	5	5	no	good
24		5	5	5	5	5	5	5	5	5	5	5	Nil	Nil
25		5	5	5	4	5	5	4	5	5	5	5	-	good
26		5	5	5	5	5	5	5	5	5	5	5	-	good
27		4	4	4	4	4	4	4	4	4	4	4	Nil	Nil
28		5	5	5	5	5	5	5	5	5	5	5	-	-
29		4	4	4	4	4	3	4	4	4	4	4	nill	nill
30		5	4	5	5	5	5	5	5	5	5	5	Nil	Good
31		5	5	4	4	4	4	4	4	4	4	5	nil	nill
32		5	5	5	5	5	5	5	5	5	5	5	Good	Good
33		5	5	5	5	5	5	5	5	5	5	5	No	Good
34		4	4	4	4	4	4	4	4	4	4	4	.	.
35		4	4	4	4	4	4	4	4	4	4	4	no	good
36		5	5	5	5	5	5	5	5	5	5	5	-	-
37		3	4	3	4	3	4	3	4	3	4	3	_	_
38		4	4	4	3	4	4	3	4	3	4	4	-	-
39		5	5	5	5	5	5	5	5	5	5	5	nil	useful

Sl.No	Name of the student / Roll No. (optional)	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13
40		2	2	2	1	1	1	1	1	1	1	1	nil	nil
41		5	3	4	5	4	4	5	4	5	4	4	Nil	Nil
42		5	5	5	5	5	5	5	5	5	5	5	nil	nil
43		5	5	5	5	5	5	5	5	5	5	5	Nil	Nip
44		3	4	4	3	4	5	4	5	5	5	5	-	-
45		5	5	5	5	5	5	5	5	5	5	5	Nil	Excellent
46		5	4	4	4	5	5	4	4	5	5	5	nil	Excellent
47		5	5	5	4	4	4	4	4	4	5	5	NIL	GOOD
48		5	5	5	5	5	5	5	5	5	5	5	-	-
49		4	4	4	4	4	4	4	4	4	4	4	Nil	Nil
50		4	4	4	4	4	4	4	4	4	4	4	nil	excellent
51		4	4	4	4	4	4	4	4	4	4	4	Nil	Good
52		2	2	3	4	4	2	3	3	2	3	3	-	-
53		3	2	3	2	3	2	3	2	3	2	3	No comments	No comments
54		4	4	4	4	4	4	4	4	4	4	4	Nil	NIL
55		5	5	5	5	5	5	5	5	5	5	5	Nil	NIL
56		3	3	3	3	3	3	3	3	3	3	3	Null	Null
57		5	5	5	5	5	5	5	5	5	5	5	Nil	NIL
58		5	5	5	5	5	5	5	5	5	5	5	Nil	Nil
59		5	5	5	5	5	5	5	5	5	5	5	nil	nil
60		4	5	4	5	4	5	5	5	5	5	5	Nil	Nil
61		4	4	4	4	4	4	4	4	4	4	4	..	.

Sl.No	Name of the student / Roll No. (optional)	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13
62		5	5	5	5	5	5	5	5	5	5	5	Good	Good
63		5	3	3	3	3	3	3	3	3	3	3	nil	nil

Class

Adviser HoD Principal

RAMCO INSTITUTE OF TECHNOLOGY

CURRICULUM FEEDBACK

Academic Year: 2022-2023(even Semester)

Name of the Subject:CS3492 - Database Management Systems
Name of the Faculty:VIGNESH SARAVANAN K
Year/Semester:II / IV - CSE

Sl.No	Name of the student / Roll No. (optional)	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13
1		5	5	5	5	5	5	5	5	5	5	5	No	Good
2		5	5	5	5	4	5	5	5	5	5	5	no	good
3		4	5	4	5	4	5	4	5	4	5	4	-	Good
4		5	5	5	5	5	5	5	5	5	5	5	Nil	Good
5		5	5	5	5	4	5	5	5	5	5	5	-	-
6		5	4	5	5	5	5	4	5	5	5	4	no	good
7		5	5	5	5	5	5	5	5	5	5	5	No	Good
8		5	5	5	5	5	5	5	5	5	5	5	No	Good
9		4	4	5	4	5	4	5	4	4	4	4	No	Good
10		5	5	5	5	5	5	5	5	5	5	5	good	good
11		4	4	5	4	4	4	4	4	4	4	4	.	.
12		4	4	4	4	4	4	4	4	4	4	4	-	-
13		5	5	5	5	5	5	5	5	5	5	5	No	Good
14		5	5	5	5	5	5	5	5	5	5	5	-	good
15		5	5	5	5	5	5	5	5	5	5	5	nil	good
16		5	5	5	5	5	5	5	5	5	5	5	--	-
17		5	5	5	5	5	5	5	5	5	5	5	-	Good

Sl.No	Name of the student / Roll No. (optional)	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13
18		5	5	5	5	5	5	5	5	5	5	5	Nil	Nil
19		5	5	5	5	5	5	5	5	5	5	5	good	good
20		5	5	5	5	5	5	5	5	5	5	5	-	Good
21		5	5	5	4	4	5	5	5	5	4	5	-	good
22		5	5	5	5	5	5	5	5	5	5	5	no	good
23		5	5	5	5	5	5	5	5	5	5	5	good	good
24		5	5	5	5	5	5	5	5	5	5	5	Nil	Nil
25		5	5	5	4	4	4	5	5	4	5	5	-	good
26		5	5	5	5	5	5	5	5	5	5	5	-	good
27		5	5	5	5	5	5	5	5	5	5	5	Nil	Nil
28		5	5	5	5	5	5	5	5	5	5	5	-	-
29		4	4	4	4	4	4	4	4	4	4	4	nill	nill
30		5	5	5	5	5	5	5	5	5	5	5	Nil	Good
31		4	4	4	4	4	4	4	4	4	5	5	nil	nil
32		5	5	5	5	5	5	5	5	5	5	5	Good	Good
33		5	5	5	5	5	5	5	5	5	5	5	No	Good
34		4	4	4	4	4	4	4	4	4	4	4	.	.
35		4	4	4	4	4	4	4	4	4	4	4	no	good
36		5	5	5	5	5	5	5	4	5	5	5	-	-
37		4	4	4	4	4	4	4	4	4	4	4	_	_
38		4	4	4	4	4	5	5	5	5	5	5	-	-
39		5	5	5	5	5	5	5	5	5	5	5	nil	useful

Sl.No	Name of the student / Roll No. (optional)	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13
40		5	5	5	5	5	5	5	5	5	5	5	nil	nil
41		4	4	5	4	5	5	1	5	5	4	5	Nil	Nil
42		5	5	5	5	5	5	5	5	5	5	5	nil	nil
43		5	5	5	5	5	5	5	5	5	5	5	Nil	Nil
44		5	5	5	5	5	4	5	4	5	5	5	-	-
45		5	5	5	5	5	5	5	5	5	5	5	Nil	Excellent
46		5	3	5	5	5	5	5	5	5	5	5	nil	Good
47		5	5	4	4	4	4	4	4	4	4	5	NIL	GOOD
48		5	5	5	5	5	5	5	5	5	5	5	-	-
49		5	4	4	4	4	4	4	4	4	4	4	Nil	Nil
50		4	4	4	4	4	4	4	4	4	4	4	nil	excellent
51		4	4	4	4	5	5	4	5	4	5	4	Nil	Good
52		5	5	3	4	3	4	5	4	3	5	5	-	-
53		4	4	4	4	5	5	4	4	5	4	5	No comments	Good
54		5	5	5	5	5	5	5	5	5	5	5	Null	Null
55		5	5	5	5	5	4	4	4	4	4	4	Nil	NIL
56		5	5	5	5	5	5	5	5	5	5	5	Nil	NIL
57		5	5	5	5	5	5	5	5	5	5	5	Nil	NIL
58		5	5	5	5	5	5	5	5	5	5	5	Nil	Nil
59		5	5	5	5	5	5	5	5	5	5	5	nil	nil
60		4	4	3	5	4	5	4	5	4	5	5	Nil	Nil
61		4	4	4	4	4	4	4	4	4	4	4	.	.

Sl.No	Name of the student / Roll No. (optional)	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13
62		5	5	5	5	5	5	5	5	5	5	5	Good	Good
63		3	4	4	4	3	3	3	3	3	3	3	nil	nil

Adviser Class HoD Principal

RAMCO INSTITUTE OF TECHNOLOGY

CURRICULUM FEEDBACK

Academic Year: 2022-2023(even Semester)

Name of the Subject:CS3401 - Algorithms
Name of the Faculty:JOTHI THILAGA P
Year/Semester:II / IV - CSE

Sl.No	Name of the student / Roll No. (optional)	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13
1		5	5	5	5	5	5	5	5	5	5	5	No	Good
2		5	5	5	5	5	4	5	5	5	5	5	no	good
3		5	5	5	5	5	5	5	5	5	4	5	Nil	Nil
4		4	5	4	5	4	5	5	5	4	4	4	-	Good
5		5	5	5	5	5	5	5	5	5	5	5	-	-
6		5	4	5	5	5	5	4	5	5	5	4	no	good
7		5	5	5	5	5	5	5	5	5	5	5	No	Good
8		4	4	4	5	4	5	4	5	4	4	4	No	Good
9		5	5	5	5	5	5	5	5	5	5	5	No	Good
10		5	5	5	5	5	5	5	5	5	5	5	good	good
11		4	4	4	4	5	4	4	4	4	4	4	.	.
12		4	4	4	4	4	4	4	4	4	4	4	-	-
13		5	5	5	5	5	5	5	5	5	5	5	No	Good
14		5	5	5	5	5	5	5	5	5	5	5	-	good
15		5	5	5	5	5	5	5	5	5	5	5	nil	good
16		5	5	5	5	5	5	5	5	5	5	5	-	Good
17		5	5	5	5	5	5	5	5	5	5	5	-	-

Sl.No	Name of the student / Roll No. (optional)	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13
18		5	5	5	5	5	5	5	5	5	5	5	Nil	Nil
19		5	5	5	5	5	5	5	5	5	5	5	good	good
20		5	5	5	5	5	5	5	5	5	5	5	-	Good
21		5	5	5	5	5	5	5	5	5	5	5	no	good
22		5	4	5	5	5	5	5	5	4	5	5	-	good
23		5	5	5	5	5	5	5	5	5	5	5	good	good
24		5	5	5	5	5	5	5	5	5	5	5	Nil	Nil
25		5	5	5	5	5	5	5						
26		5	5	5	5	5	5	5	5	5	5	5	-	good
27		4	4	4	4	4	4	4	4	4	4	4	Nil	Nil
28		5	5	5	5	5	5	5	5	5	5	5	-	-
29		4	4	4	4	4	4	4	4	4	3	4	nil	nill
30		5	5	5	5	5	5	5	5	5	5	5	Nil	Good
31		4	4	4	4	4	4	4	4	4	4	4	nil	nil
32		5	5	5	5	5	5	5	5	5	5	5	Good	Good
33		5	5	5	5	5	5	5	5	5	5	5	No	Good
34		4	4	4	4	4	4	4	4	4	4	4	.	.
35		4	4	4	4	4	4	4	4	4	4	4	no	good
36		5	5	5	5	5	5	5	5	5	5	5	-	-
37		5	5	5	5	5	5	5	5	5	5	5	_	_
38		4	5	4	4	5	5	5	5	5	5	5	-	-
39		5	5	5	5	5	5	5	5	5	5	5	nil	useful

Sl.No	Name of the student / Roll No. (optional)	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13
40		3	3	3	3	3	1	1	1	1	1	1	nil	nil
41		5	5	5	5	5	5	5	5	5	5	5	nil	nil
42		5	5	5	5	5	5	5	5	5	5	5	Nil	Nil
43		4	4	4	5	4	4	5	5	5	5	5	Nil	Nil
44		5	4	5	5	5	5	5	5	5	5	5	-	-
45		5	5	5	5	5	5	5	5	5	5	5	Nil	Excellent
46		5	5	5	5	5	5	5	4	5	5	5	nil	Good
47		5	5	5	5	5	5	5	5	5	5	5	NIL	GOOD
48		5	5	5	5	5	5	5	5	5	5	5	-	-
49		5	4	4	4	4	4	4	4	4	4	4	Nil	Nil
50		4	4	4	4	4	4	4	4	4	4	4	nil	excellent
51		5	5	5	5	5	5	5	5	5	5	5	Nil	Good
52		4	4	3	4	5	4	3	4	5	4	3	-	-
53		4	5	4	5	4	5	4	5	4	5	4	No comments	Good
54		5	5	5	5	5	5	5	5	5	5	5	Null	Null
55		3	3	4	4	4	4	4	4	5	5	5	Nil	NIL
56		5	5	5	5	5	5	5	5	5	5	5	Nil	NIL
57		5	5	5	5	5	5	5	5	5	5	5	Nil	NIL
58		5	5	5	5	5	5	5	5	5	5	5	Nil	Nil
59		5	5	5	5	5	5	5	5	5	5	5	nil	nil
60		5	5	5	5	5	5	5	5	5	5	5	Nil	Nil
61		4	4	4	4	4	4	4	4	4	4	4	.	.

Sl.No	Name of the student / Roll No. (optional)	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13
62		5	5	5	5	5	5	5	5	5	5	5	Good	Good
63		3	3	3	3	3	3	3	3	3	3	3	nil	nil

Adviser Class HoD Principal

RAMCO INSTITUTE OF TECHNOLOGY

CURRICULUM FEEDBACK

Academic Year: 2022-2023(even Semester)

Name of the Subject:CS3451 - Introduction to Operating Systems
Name of the Faculty:
Year/Semester:II / IV - CSE

Sl.No	Name of the student / Roll No. (optional)	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13
1		5	5	5	5	5	5	5	5	5	5	5	No	Good
2		5	4	5	5	5	5	4	4	4	4	5	no	good
3		4	5	4	5	4	5	4	5	4	5	4	-	Good
4		5	5	5	5	5	5	5	5	5	5	5	Nil	Good
5		5	5	5	5	5	5	5	5	5	5	5	-	-
6		4	5	5	5	4	5	5	5	5	5	4	no	good
7		5	5	5	5	5	5	5	5	5	5	5	No	Good
8		5	5	5	5	5	5	5	5	5	5	5	No	Nil
9		4	4	5	4	4	4	5	4	4	5	4	No	Good
10		5	5	5	5	5	5	5	5	5	5	5	good	good
11		4	4	4	4	4	3	4	4	4	4	4	.	.
12		4	4	4	4	4	4	4	4	4	4	4	-	-
13		5	5	5	5	5	5	5	5	5	5	5	No	Good
14		5	5	5	5	5	5	5	5	5	5	5	-	good
15		5	5	5	5	5	5	5	5	5	5	5	nil	good
16		5	5	5	5	5	5	5	5	5	5	5	-	Good
17		5	5	5	5	5	5	5	5					

Sl.No	Name of the student / Roll No. (optional)	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13
18		5	5	5	5	5	5	5	5	5	5	5	Nil	Nil
19		5	5	5	5	5	5	5	5					
20		5	5	5	5	5	5	5	5	5	5	5	-	Good
21		5	5	5	5	4	4	5	5	5	5	5	-	good
22		5	5	5	5	5	5	5	5	5	5	5	no	good
23		5	5	5	5	5	5	5	5	5	5	5	good	good
24		5	5	5	5	5	5	5	5	5	5	5	Nil	Nil
25		5	5	5	5	5	5	5	5	5	5	5	-	good
26		5	5	5	5	5	5	5	5	5	5	5	-	good
27		4	4	4	4	4	4	4	4	4	4	4	Nil	Nil
28		5	5	5	5	5	5	5	5	5	5	5	-	-
29		3	4	4	4	4	4	4	4	4	5	4	nill	nill
30		5	5	5	5	5	5	5	5	5	5	5	Nil	Good
31		4	4	4	4	4	4	4	4	3	4	4	nil	nil
32		5	5	5	5	5	5	5	5	5	5	5	Good	Good
33		5	5	5	5	5	5	5	5	5	5	5	No	Good
34		4	4	4	4	4	4	4	4	4	4	4	.	.
35		4	4	4	4	4	4	4	4	4	4	4	no	good
36		5	5	5	5	5	5	5	5	5	5	5	-	-
37		5	5	5	5	5	5	5	5	5	5	5	_	_
38		5	5	5	4	5	4	4	4	4	5	5	-	-
39		5	5	5	5	5	5	5	5	5	5	5	nil	useful

Sl.No	Name of the student / Roll No. (optional)	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13
40		5	5	5	5	5	5	5	5	5	5	5	nil	nil
41		3	4	4	3	3	4	5	4	5	4	5	Nil	Nil
42		5	5	5	5	5	5	5	5	5	5	5	nil	nil
43		5	5	5	5	5	5	5	5	5	5	5	Nil	Nil
44		5	5	5	5	5	5	5	5	5	5	5	-	-
45		5	5	5	5	5	5	5	5	5	5	5	Nil	Excellent
46		4	4	4	4	4	5	4	4	4	4	4	nil	Good
47		5	5	5	5	5	5	5	5	5	5	5	-	-
48		5	5	4	5	4	4	5	5	5	5	5	NIL	GOOD
49		5	5	5	5	5	5	5	5	5	5	5	Nil	Nil
50		4	4	4	4	4	4	4	4	4	4	4	nil	excellent
51		5	5	5	5	5	5	5	5	5	5	5	Nil	Good
52		4	4	4	4	3	4	3	4	3	4	3	-	-
53		4	4	4	5	5	5	4	4	4	5	5	No comments	Good
54		4	4	4	4	4	4	4	4	4	4	4	Nil	NIL
55		5	5	5	5	5	5	5	5	5	5	5	Nil	NIL
56		5	5	5	5	5	5	5	5	5	5	5	Null	Null
57		5	5	5	5	5	5	5	5	5	5	5	Nil	NIL
58		5	5	5	5	5	5	5	5	5	5	5	Nil	Nil
59		5	5	5	5	5	5	5	5	5	5	5	nil	good
60		4	5	4	5	4	5	4	5	4	5	4	Nil	Nill
61		4	4	4	4	4	4	4	4	4	4	4	.	.

Sl.No	Name of the student / Roll No. (optional)	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13
62		5	5	5	5	5	5	5	5	5	5	5	Good	Good
63		3	3	3	3	3	3	3	3	3				

Adviser

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RAMCO INSTITUTE OF TECHNOLOGY

CURRICULUM FEEDBACK

Academic Year: 2022-2023(even Semester)

Name of the Subject:GE3451 - Environmental Sciences and Sustainability
Name of the Faculty:REVATHI N
Year/Semester:II / IV - CSE

Sl.No	Name of the student / Roll No. (optional)	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13
1		5	5	5	5	5	5	5	5	5	5	5	No	Good
2		5	5	5	4	4	4	5	5	4	4	4	no	good
3		5	5	5	5	5	5	5	5	5	5	5	Nil	Good
4		4	5	4	4	4	4	4	4	4	4	4	-	Good
5		5	5	5	5	5	5	5	5	5	5	5	-	-
6		4	5	4	5	4	5	4	5	4	5	5	no	good
7		5	5	5	5	5	5	5	5	5	5	5	No	Good
8		5	5	5	5	5	5	5	5	5	5	5	No	Good
9		5	5	5	5	5	5	5	5	5	5	5	No	Good
10		5	5	5	5	5	5	5	5	5	5	5	good	good
11		4	4	4	4	4	4	4	4	5	5	5	.	.
12		4	4	4	4	4	4	4	4	4	4	4	-	-
13		5	5	5	5	5	5	5	5	5	5	5	No	Good
14		5	5	5	5	5	5	5	5	5	5	5	-	good
15		5	5	5	5	5	5	5	5	5	5	5	nil	good
16		5	5	5	5	5	5	5	5	5	5	5	-	Good
17		5	5	5	5	5	5	5	5	5	5	5	-	-

Sl.No	Name of the student / Roll No. (optional)	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13
18		5	5	5	5	5	5	5	5	5	5	5	Nil	Nil
19		5	5	5	5	5	5	5	5	5	5	5	-	Good
20		5	5	5	5	5	5	5	5	5	5	5	good	good
21		5	5	4	5	4	5	5	5	5	5	5	-	good
22		5	5	5	5	5	5	5	5	5	5	5	no	good
23		5	5	4	5	5	5	5	5	5	5	5	good	good
24		5	5	5	5	5	5	5	5	5	5	5	Nil	Nil
25		4	4	5	4	5	4	5	5	5	5	5	-	good
26		5	5	5	5	5	5	5	5	5	5	5	-	good
27		4	4	4	4	4	4	4	4	4	4	4	Nil	Nil
28		5	5	5	5	5	5	5	5	5	5	5	-	-
29		4	4	4	4	4	4	4	4	4	5	5	nill	nill
30		5	5	5	5	5	5	5	5	5	5	5	Nil	Good
31		4	4	4	4	4	3	4	4	4	4	4	nil	nil
32		5	5	5	5	5	5	5	5	5	5	5	Good	Good
33		5	5	5	5	5	5	5	5	5	5	5	No	Good
34		3	3	3	3	3	3	3	3	3	3	3	.	.
35		4	4	4	4	4	4	4	4	4	4	4	no	good
36		5	5	5	5	5	5	5	5	5	5	5	-	-
37		4	4	4	4	4	4	4	4	4	4	4	_	_
38		5	5	5	5	5	5	5	5	4	5	4	-	-
39		5	5	5	5	5	5	5	5	5	5	5	nil	useful

Sl.No	Name of the student / Roll No. (optional)	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13
40		1	1	1	1	1	1	1	1	1	1	1	nil	nil
41		4	5	4	5	4	5	4	5	5	5	5	Nil	Nil
42		5	5	5	5	5	5	5	5	5	5	5	nil	nil
43		5	5	5	5	5	5	5	5	5	5	5	Nil	Nil
44		5	5	5	5	5	5	5	5	5	5	5	-	-
45		5	5	5	5	5	5	5	5	5	5	5	Nil	Excellent
46		5	5	5	5	5	5	5	5	5	5	5	nil	Good
47		5	5	5	5	5	5	5	5	5	5	5	-	-
48		5	5	5	5	5	5	5	5	5	5	5	NIL	GOOD
49		5	4	4	4	4	4	4	4	4	4	4	Nil	Nil
50		4	4	4	4	4	4	4	4	4	4	4	nil	excellent
51		4	4	4	4	4	4	4	4	4	4	4	Nil	Good
52		3	5	5	5	5	4	5	4	4	4	5	-	-
53		4	4	4	4	4	4	4	4	4	4	4	No comments	Good
54		4	4	4	4	4	4	4	4	4	4	4	Nil	NIL
55		5	5	5	5	5	5	5	5	5	5	5	Nil	NIL
56		5	5	5	5	5	5	5	5	5	5	5	Null	Null
57		5	5	5	5	5	5	5	5	5	5	5	Nil	NIL
58		5	5	5	5	5	5	5	5	5	5	5	Nil	Nil
59		5	5	5	5	5	5	5	5	5	5	5	nil	good
60		5	5	5	5	5	5	5	5	5	5	5	Nil	Nil
61		4	4	4	4	4	4	4	4	4	4	4	.	.

Sl.No	Name of the student / Roll No. (optional)	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13
62		5	5	5	5	5	5	5	5	5	5	5	Good	Good
63		3	3	3	3	3	3	3	3					

Adviser

Class
HoD

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RAMCO INSTITUTE OF TECHNOLOGY
Approved by AICTE, New Delhi & Affiliated to Anna University
Accredited by NAAC & An ISO 9001: 2015 Certified Institution
NBA Accredited UG Programs: CSE, EEE, ECE and MECH

Course: CS3452-Theory of Computation
Academic Year: 2022-2023/EVEN Sem
Batch:2021-2025

S.No	cc1	cc2	cc3	cc4	cc5	cd1	cd2	cd3	cd4	cd5	cd6	cd7	cd8	cd9	cd10	cd11	cd12	ca1	ca2	ca3	ca4	ca5	ca6	ca7
1	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
2	4	4	4	3	3	4	4	3	4	3	4	3	3	3	4	4	3	3	4	3	4	4	4	3
3	5	5	4	4	5	5	5	4	5	5	4	5	5	4	5	5	4	5	5	4	5	4	5	4
4	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
5	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
6	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
7	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
8	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
9	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
10	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
11	4	4	4	5	4	4	4	5	4	5	4	4	5	5	5	4	4	4	4	4	4	4	5	5
12	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
13	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
14	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
15	4	5	4	5	5	4	5	5	4	5	5	5	5	5	5	4	4	5	5	5	5	5	5	5
16	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
17	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
18	5	4	5	4	5	3	4	5	4	4	5	5	4	5	4	5	4	4	5	4	3	4	5	4
19	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
20	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
21	4	4	3	3	3	3	4	2	3	4	4	3	4	4	3	4	4	3	4	4	4	4	3	4
22	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
23	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
24	4	4	5	5	5	4	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
25	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
26	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
27	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
28	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	3	3
29	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
30	4	5	5	5	5	5	4	5	5	5	4	4	4	4	4	4	5	5	5	5	4	4	5	4

S.No	cc1	cc2	cc3	cc4	cc5	cd1	cd2	cd3	cd4	cd5	cd6	cd7	cd8	cd9	cd10	cd11	cd12	ca1	ca2	ca3	ca4	ca5	ca6	ca7
31	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
32	5	4	5	4	4	5	4	5	5	5	5	5	5	5	5	5	4	5	4	4	5	5	5	5
33	5	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
34	4	5	4	5	4	5	4	5	5	5	5	4	5	4	4	4	4	5	5	5	5	5	5	4
35	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
36	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
37	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
38	5	5	4	5	4	5	4	4	4	4	5	4	5	5	5	5	5	5	5	4	5	4	5	4
39	5	5	4	4	4	4	5	5	4	5	4	4	4	4	4	4	4	4	4	4	4	4	4	4
40	4	4	4	4	3	3	3	4	3	3	3	2	3	3	4	3	3	4	4	3	3	4	3	4
41	5	5	5	5	5	5	5	5	5	4	5	4	5	4	5	5	5	4	5	5	5	4	4	5
42	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
43	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
44	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
45	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
46	4	4	4	5	5	4	4	5	4	5	4	5	4	4	4	5	4	5	5	5	5	4	5	4
47	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
48	4	4	4	4	4	2	1	1	1	1	1	1	1	1	1	1	1	2	2	2	3	3	3	3
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53	3	4	5	4	3	3	5	4	5	4	5	4	5	4	5	4	5	5	4	5	4	5	4	4
54	3	3	4	3	3	3	2	3	2	3	2	3	2	2	2	3	3	3	3	2	3	2	2	2
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Total	**288**	**291**	**289**	**291**	**286**	**284**	**284**	**289**	**284**	**289**	**288**	**284**	**289**	**284**	**287**	**287**	**285**	**289**	**291**	**288**	**289**	**288**	**289**	**287**
Average	**4.57**	**4.62**	**4.59**	**4.62**	**4.54**	**4.51**	**4.51**	**4.59**	**4.51**	**4.59**	**4.57**	**4.51**	**4.59**	**4.51**	**4.56**	**4.56**	**4.52**	**4.59**	**4.62**	**4.57**	**4.59**	**4.57**	**4.59**	**4.56**



RAMCO INSTITUTE OF TECHNOLOGY

Approved by AICTE, New Delhi & Affiliated to Anna University
Accredited by NAAC & An ISO 9001: 2015 Certified Institution
NBA Accredited UG Programs: CSE, EEE, ECE and MECH

Course: CS3461-Operating Systems Laboratory
Academic Year: 2022-2023/EVEN Sem
Batch:2021-2025

S.No	cc1	cc2	cc3	cc4	cc5	cd1	cd2	cd3	cd4	cd5	cd6	cd7	cd8	cd9	cd10	cd11	cd12	cd13
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S.No	cc1	cc2	cc3	cc4	cc5	cd1	cd2	cd3	cd4	cd5	cd6	cd7	cd8	cd9	cd10	cd11	cd12	cd13
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Total	**299**	**297**	**296**	**296**	**299**	**298**	**300**	**300**	**297**	**294**	**298**	**298**	**297**	**296**	**300**	**295**	**298**	**297**
Average	**4.75**	**4.71**	**4.7**	**4.7**	**4.75**	**4.73**	**4.76**	**4.76**	**4.71**	**4.67**	**4.73**	**4.73**	**4.71**	**4.7**	**4.76**	**4.68**	**4.73**	**4.71**

S.No	cc1	cc2	cc3	cc4	cc5	cd1	cd2	cd3	cd4	cd5	cd6	cd7	cd8	cd9	cd10	cd11	cd12	cd13

RAMCO INSTITUTE OF TECHNOLOGY
Department of Mechanical Engineering
Academic Year 2021 - 22 (Even Semester)
Course Outcome End Survey

urse Code & Title: GE8075 Intellectual Property Rights
me of the Faculty Member: Mr.R.Arun Kumar, AP/Mechanical
tch: 2019 - 2023

Timestamp	Email Address	Name of the Student	Register number	To what extent can you describe the concepts of various intellectual property rights? (1 - low ; 5 - high)	Rate the level on which you will be able to illustrate the practical aspects of registration in India and abroad. (1 - low ; 5 - high)	How far could you explain the implications of agreements and legislations? (1 - low ; 5 - high)	Rate your ability to interpret the methods used for digital content protection. (1 - low ; 5 - high)	The level on which you can Discuss the legal aspects governing IPR infringement is? (1 - low ; 5 - high)	Your capability to follow the procedure of Patent Landscape Analysis for a given set of patent journals is? (1 - low ; 5 - high)	Positives about the teaching learning process of the course which can be carry forward for the next batch of students	Share the negatives or scope for improvement in the teaching learning process which is to be rectified for the next batch of students
7-25-2022 15:56:04	953619114302@ritrjpm.ac.in	A Kanagaraj	953619114302	5	5	5	5	4	5	Teaching learning good and many processes learning development in my knowledge	.
7-25-2022 15:59:44	953619114041@ritrjpm.ac.in	M Vijay Thirupathi	953619114041	5	5	5	5	5	5	Nil	Nil
7-25-2022 16:00:13	953619114039@ritrjpm.ac.in	C Thanga Dinesh	953619114039	5	4	5	5	5	4	Nill	Nill
7-25-2022 16:02:41	953619114015@ritrjpm.ac.in	Dineshkumar	953619114015	5	5	5	5	5	5	Give more hands on excercise to the students (like patent drafting, copyright applying)	Nil
7-25-2022 17:08:24	953619114001@ritrjpm.ac.in	D Anithrajaseelan	953619114001	5	5	5	5	5	5	Usefulness on having activities during class hours	None
7-25-2022 18:16:50	953619114032@ritrjpm.ac.in	K Ramkumar	953619114032	3	3	4	3	3	4	Awareness of IPR were taken by us and exploring lot of case study .The course is quit interesting at all.	Nothing but just teaching the subject with more pictorial representation and more case studies as it before for not getting bored.Thankyou!
7-25-2022 19:05:30	953619114034@ritrjpm.ac.in	S Saravanakumar	953619114034	5	4	4	4	4	4	Display some of the patent presented in a hardcopy .How more case studies from textbooks also.	Nil.
7-25-2022 21:34:56	953619114038@ritrjpm.ac.in	S Syed Thowfeek	953619114038	4	5	5	4	5	5	Easy to learn IPR rights with suitable example	nothing
7-25-2022 22:26:23	953619114012@ritrjpm.ac.in	S Biju Danie	953619114012	5	5	5	5	5	5	Filing procedure done practically	Nothing
7-26-2022 6:11:02	953619114025@ritrjpm.ac.in	K Manoj Kumar	953619114025	5	5	5	5	5	5	Good teaching	No
			Class Average on a scale of 5	4.7	4.6	4.8	4.6	4.6	4.7		
			CO attainment on a scale of 3	2.82	2.76	2.88	2.76	2.76	2.82		

Signature of the Faculty Member

Signature of the HoD

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RECORD OF CLASS WORK

Date	Period	Cumulative Hours	Topics Covered	Instructional Methods	Initial
			UNIT - II REGISTRATION OF IPRs.		
04.03.23	06	12	Meaning & practical aspects of registration of Copyrights	L&D	
01.03.23	01	13	Meaning & practical aspects of registration of Trademarks	L&D	
08.03.23	06	14	Meaning & practical aspects of registration of Patents	L&D	
09.03.23	01	15	Meaning & practical aspects of registration of Patents	L&D	
13.03.23	03	16.	Meaning & practical aspects of registration of GIs	L&D	
15.03.23	06	17	Meaning & practical aspects of registration of GIs	L&D	
17.03.23	03	18	Meaning & practical aspects of registration of trade secrets	L&D	
18.03.23	08	19	Revision for UNIT - II	-	
24.03.23	01	20	Industrial Design registration in India & Abroad, SCLDR protection	L&D	
24.03.23	02	21	Copyright registration procedure	Demonstration	
27.03.23	03	22	Patent search, fee structure, registration forms, adopting & Revision on Unit II	Demonstration	

27.3.23

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RAMCO INSTITUTE OF TECHNOLOGY
Department of Mechanical Engineering
Academic Year: 2022 – 2023 (Even Semester)

ASSIGNMENT SHEET

Degree, Semester & Branch: VI Semester B.E. Electrical and Electronics Engineering
Course Code & Title: GE8075 Intellectual Property Rights
Name of the Faculty member: Mr.R.Arun Kumar, AP(SG)/Mechanical
Assignment Number: III

Date: 02.05.2023

Questions:

1. Do 'Patent Landscape Analysis' for the allotted Indian patent applications with respect to the 'International Patent Classification (IPC) Code'. The application details are available in the patent journal attached herewith below the table. [CO6, L3]

Source Links:

Link for IPC Code reference:

- **https://ipcpub.wipo.int/?notion=scheme&version=20200101&symbol=none&menulang=en&lang=en&viewmode=f&fipcpc=no&showdeleted=yes&indexes=no&headings=yes&notes=yes&direction=o2n&initial=A&cwid=none&tree=no&searchmode=smart**

Attachment for patent journal reference – Batch I:

The Patent Office Journal No. 17/2023 dated 28/04/2023

Sl. No.	Name of the Student	Patent Journal Page reference
1.	Abishek Bebito A	Page No. 33115 to 33124
2.	Balasubramaniam M	Page No. 33125 to 33134
3.	Chandru R	Page No. 33135 to 33144
4.	Dhana Bharathi Lakshmi G	Page No. 33145 to 33154
5.	Gayathree P G	Page No. 33155 to 33164
6.	Jeyakrishnababu M	Page No. 33165 to 33174
7.	Jeyapadma B	Page No. 33175 to 33184
8.	Kalai Arun Balu R	Page No. 33185 to 33194
9.	Kayalvizhi P	Page No. 33195 to 33204
10.	Keerthian V	Page No. 33205 to 33214
11.	Lakshmi Narayanan S	Page No. 33215 to 33224
12.	Leelaprasadh A	Page No. 33225 to 33234
13.	Mohamed Nikil M	Page No. 33235 to 33244
14.	Muthu Hareesh S	Page No. 33245 to 33254
15.	Muthupandi P	Page No. 33255 to 33264
16.	Ponselvam U	Page No. 33265 to 33274
17.	Praveen Selvamani M	Page No. 33275 to 33284
18.	Rajkumar M	Page No. 33285 to 33294

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Sl. No.	Name of the Student	Patent Journal Page reference
19.	Sabarisha V	Page No. 33295 to 33304
20.	Sakthi Karuppasamy K	Page No. 33305 to 33314
21.	Sathish Siddarth V	Page No. 33315 to 33324
22.	Suryaprakash P	Page No. 33325 to 33334
23.	Udhaya T	Page No. 33335 to 33344
24.	Varun Ganesh M	Page No. 33345 to 33354
25.	Vijay Anandh S	Page No. 33355 to 33364
26.	Yuvapriya N	Page No. 33365 to 33374
27.	Abishek Kumar J	Page No. 33375 to 33384
28.	Alagarsamy Yasvanth T R	Page No. 33385 to 33394
29.	Alagendra R	Page No. 33395 to 33404
30.	Arunkumar.S	Page No. 33405 to 33414
31.	Ashwath Arjun T	Page No. 33415 to 33424
32.	Aswin S	Page No. 33425 to 33434
33.	Ayyanar A	Page No. 33435 to 33444
34.	Balaraman G	Page No. 33445 to 33454
35.	Bhuvanesh G	Page No. 33455 to 33464
36.	Gokul G	Page No. 33465 to 33474
37.	Gokul N	Page No. 33475 to 33484
38.	Gokul R	Page No. 33485 to 33494
39.	Jeyasakthi M	Page No. 33495 to 33504
40.	Kannan A S	Page No. 33505 to 33514
41.	Karpagaraj M	Page No. 33515 to 33524
42.	Kasirajan P	Page No. 33525 to 33534
43.	Kishore P	Page No. 33535 to 33544
44.	Nikil Dev B	Page No. 33545 to 33554
45.	Nithish Arjun S K	Page No. 33555 to 33564
46.	Rajesh V	Page No. 33565 to 33574
47.	Rajkumar K	Page No. 33575 to 33584
48.	Ramganesh N	Page No. 33585 to 33594
49.	Sabarivasa R	Page No. 33595 to 33604
50.	Sakthi Aravinth M	Page No. 33605 to 33614
51.	Sangiliguru R	Page No. 33615 to 33624

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Sl. No.	Name of the Student	Patent Journal Page reference
52.	Santhosh M	Page No. 33625 to 33634
53.	Sasikaruppya M	Page No. 33635 to 33644
54.	Senthil Kumar M	Page No. 33645 to 33654
55.	Senthil Murugan J	Page No. 33655 to 33664

Link for patent journal reference – Batch II:

The Patent Office Journal No. 16/2023 dated 21/04/2023

1.	Sivaguruthatchinamoorthy G	Page No. 32378 to 32387
2.	Sivaram R	Page No. 32388 to 32397
3.	Surya Kumar T	Page No. 32398 to 32408
4.	Vairamani M	Page No. 32409 to 32418
5.	Vigneshkumar G	Page No. 32419 to 32428

CO – PO Correlation

CO	PO5	PO8	PO9	PO10	PO12
CO5	2 (M)	3 (H)	2 (M)	3 (H)	3 (H)

H – High M – Moderate L – Low

PO	PO5 (PI 5.1.1)	PO8 (PI 8.2.1)	PO9 (PI 9.2.2, 9.2.3)	PO10 (PI 10.1.1, 10.1.2)	PO12 (PI 12.1.1, 12.3.1)
Outcome	Modern Tool Usage	Ethics	Individual and Team work	Communication	Life-long learning
Justification	Students will be using the IPC code in Patent Scope website for patent landscape analysis. Hence it is mapped at level 2	Students will submit an assignment in which they will acknowledge the source they referred, elimination of copying among students is also ensured and the same will be given weightage in marks. So, the CO is mapped at level 3	Students will prepare the assignment as individual and hence the PO is mapped at level 3	Students will be submitting assignment in which they need to interpret the data and submit a well-structured document as assignment. So, the course outcome is mapped at level 3	Students will source and refer few credible sources of information for preparing the assignment and learn to do a landscape analysis in a cluster of patent applications which impacts on the self-learning and hence the CO is mapped at level 3

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Rubrics for Assignment Evaluation

Criteria	Ratings				Mark
Timely Submission	*Excellent* Submitting on or before time **(4 marks)**	*Good* Submitting a day delay from deadline **(3 marks)**	*Satisfactory* Submitting within 3 days from deadline **(2 marks)**	*Need Improvement* Submitting after 3 days from deadline **(1 mark)**	4
Plagiarism	*Excellent* 0% to 10% of plagiarism **(4 marks)**	*Good* 11% to 30% of plagiarism **(3 marks)**	*Satisfactory* 31% to 50% of plagiarism **(1 to 2 marks)**	*Unsatisfactory* above 50% **(Subjected to plagiarism policy)**	4
Citation	*Excellent* Reference sources are properly cited **(2 marks)**	*Good* Reference sources are partially cited **(1 mark)**	*Unsatisfactory* No proper citation **(0 mark)**		2
Content of the assignment	*Excellent* Impressive, unique with 90% to 100% relevancy and addressing all the parts in question **(4 to 6 marks)**	*Good* 75% to 90% relevancy of content and addressing at least 75% of parts in question **(3 to 4 marks)**	*Satisfactory* 50% to 75% relevancy in content with improper addressing of parts asked in questions **(1 to 3 marks)**	*Need Improvement* Less than 50% relevancy of content **(0 mark)** **(To be resubmitted)**	6
Presentation	*Excellent* Impressive presentation with front page containing assignment details, alignment **(4 marks)**	*Good* Pleasing presentation with front page but lagging in alignment **(3 marks)**	*Satisfactory* Presentation without title page containing assignment information **(2 marks)**	*Need Improvement* Poor presentation without title page and improper alignment **(1 mark)**	4
				Total Marks	20

CO6: Student will be able to follow the procedure of Patent Landscape Analysis for a given set of patent journals.

L3: Apply

05/05/25

Signature of the Faculty member

31/7/25

HOD

Date: 22.08.2022

REVISED

CENTRE FOR ACADEMIC COURSES

ANNA UNIVERSITY: : CHENNAI – 600 025

ACADEMIC SCHEDULE FOR NON-AUTONOMOUS AFFILIATED COLLEGES

August 2022 – December 2022 (Semester III)

UG (FT/PT) & PG (FT/PT) Degree Programmes

Sl. No.	Programme	Semester	Commencement of Classes	Last working day	Commencement of Practical Examinations	Commencement of End Semester Examinations
1.	B.E. / B.Tech.(Full-Time)	III	22.08.2022	08.12.2022	10.12.2022	21.12.2022
2.	B.Arch. (Full-Time)	III				
3.	B.E. / B.Tech (Part-Time)	III				
4.	M.B.A. (5 Yrs-Integrated)	III				
5.	M.B.A. (Full-Time & Part-Time)	III	01.09.2022	19.12.2022	21.12.2022	02.01.2023

RE - OPENING DAY FOR THE NEXT SEMESTER: 30.01.2023 (Monday)

NOTE:

1. The Theory and Practical Examination schedules will be published in due course (Practical Examinations will be conducted before the theory examinations).
2. If necessary, loss of classes due to various curricular / co-curricular activities of the department / college may be compensated by conducting classes on Saturdays.

22/08/2022

DIRECTOR
ACADEMIC COURSES

Date: 21.07.2022

CENTRE FOR ACADEMIC COURSES

ANNA UNIVERSITY: : CHENNAI – 600 025

ACADEMIC SCHEDULE FOR NON AUTONOMOUS AFFILIATED COLLEGES

August 2022 – December 2022 (ODD SEMESTER – Except Semester III)

UG Programmes

Sl. No.	Programme	Semester	Commencement of Classes	Last working day	Commencement of Practical Examinations	Commencement of End Semester Examinations
1.	B.E. / B.Tech.(Full-Time)	V, VII	10.08.2022	19.11.2022**	21.11.2022	01.12.2022
2.	B.E. / B.Tech (Part-Time)	V, VII				
3.	B.Arch. (Full-Time)	V, VII, IX				

RE - OPENING DAY FOR THE NEXT SEMESTER: 26.12.2022 (Monday)

NOTE:

1. The Theory and Practical Examination schedules will be published in due course (Practical Examinations will be conducted before the theory examinations).
2. If necessary, loss of classes due to various curricular / co-curricular activities of the department / college may be compensated by conducting classes on Saturdays.

**** In order to ensure minimum no. of working days, the following Saturdays are declared as working days.**

Sl. No.	Working Days (Saturdays)	Time Table of the Week Day to be Followed
1.	20.08.2022	Monday
2.	03.09.2022	Friday
3.	17.09.2022	Wednesday
4.	15.10.2022	Tuesday

Sl. No.	Working Days (Saturdays)	Time Table of the Week Day to be Followed
5.	29.10.2022	Wednesday
6.	05.11.2022	Monday
7.	12.11.2022	Tuesday
8.	19.11.2022	Wednesday

21.07.2022

DIRECTOR
ACADEMIC COURSES

Date: 04.05.2023

DIRECTOR ACADEMIC COURSES ANNA UNIVERSITY CHENNAI-600 025

CENTRE FOR ACADEMIC COURSES

ANNA UNIVERSITY: : CHENNAI – 600 025

ACADEMIC SCHEDULE FOR NON-AUTONOMOUS AFFILIATED COLLEGES

May 2023 – August 2023 (Even Semester)

UG (FT/PT) & PG (FT) Degree Programmes

Sl. No.	Programme	Semester	Commencement of Classes	Last working day	Commencement of Practical Examinations	Commencement of End Semester Examinations
1.	B.E. / B.Tech.(Full-Time)	II	10.05.2023	07.08.2023**	09.08.2023	21.08.2023
2.	B.Arch. (Full-Time)	II				
3.	B.E. / B.Tech (Part-Time)	II				
4.	M.E. / M. Tech. / M. Arch. (FT)	IV				

RE - OPENING DAY FOR THE NEXT SEMESTER: 11.09.2023 (Monday)

NOTE:

1. The Theory and Practical Examination schedules will be published in due course (Practical Examinations will be conducted before the theory examinations).
2. If necessary, loss of classes due to various curricular / co-curricular activities of the department / college may be compensated by conducting classes on Saturdays.

**** In order to ensure minimum no. of working days, the following Saturdays are declared as working days.**

Sl. No.	Working Days (Saturdays)	Time Table of the Week Day to be Followed
1.	13.05.2023	Friday
2.	20.05.2023	Monday
3.	27.05.2023	Tuesday
4.	03.06.2023	Wednesday
5.	10.06.2023	Thursday
6.	17.06.2023	Friday

Sl. No.	Working Days (Saturdays)	Time Table of the Week Day to be Followed
7.	24.06.2023	Monday
8.	01.07.2023	Tuesday
9.	08.07.2023	Wednesday
10.	15.07.2023	Thursday
11.	22.07.2023	Friday
12.	05.08.2023	Monday

04/05/2023

DIRECTOR
ACADEMIC COURSES

DAC - SB

Date: 30.03.2023

CENTRE FOR ACADEMIC COURSES

ANNA UNIVERSITY: : CHENNAI – 600 025

REVISED

ACADEMIC SCHEDULE FOR NON-AUTONOMOUS AFFILIATED COLLEGES

February 2023 – June 2023 (Even Semester – Except Semester II)

UG / PG (FT/PT) Degree Programmes

Sl. No.	Programme	Semester	Commencement of Classes	Last working day		Commencement of Practical Examinations		Commencement of End Semester Examinations	
				Existing	Revised	Existing	Revised*	Existing	Revised*
1.	B.E. / B.Tech.(Full-Time)	IV,VI	06.02.2023	12.05.2023	24.05.2023***	15.05.2023	26.05.2023	26.05.2023	05.06.2023
2.	B.E. / B.Tech.(Full-Time)	VIII	06.02.2023	12.05.2023**	-	15.05.2023	-	26.05.2023	-
3.	B.Arch. (Full-Time)	IV,VI,VIII,X							
4.	B.E. / B.Tech. (Part-Time)	IV,VI							
5.	M.B.A.(Full-Time & Part-Time)	IV							
6.	M.B.A. (5 Yrs-Integrated)	IV,VI,VIII,X							

RE - OPENING DAY FOR THE NEXT SEMESTER: 07.08.2023 (Monday)

*** To provide additional classes for Skill Based Courses.**

NOTE:

1. The Theory and Practical Examination schedules will be published in due course (Practical Examinations will be conducted before the theory examinations).
2. If necessary, loss of classes due to various curricular / co-curricular activities of the department / college may be compensated by conducting classes on Saturdays.

**** In order to ensure minimum no. of working days, the following Saturdays are declared as working days.**

Sl. No.	Working Days (Saturdays)	Time Table of the Week Day to be Followed
1.	11.02.2023	Monday
2.	18.02.2023	Tuesday
3.	25.02.2023	Wednesday
4.	04.03.2023	Thursday
5.	11.03.2023	Friday
6.	18.03.2023	Monday

Sl. No.	Working Days (Saturdays)	Time Table of the Week Day to be Followed
7.	25.03.2023	Tuesday
8.	01.04.2023	Wednesday
9.	29.04.2023	Thursday
10.	06.05.2023	Friday
11.	13.05.2023	Monday***
12.	20.05.2023	Tuesday***

30/3/2023

DIRECTOR
ACADEMIC COURSES

DAC - SB

Date: 02.11.2022

CENTRE FOR ACADEMIC COURSES

ANNA UNIVERSITY: : CHENNAI – 600 025

ACADEMIC SCHEDULE FOR NON-AUTONOMOUS AFFILIATED COLLEGES

November 2022 – April 2023 (SEMESTER I)

UG (FT/PT) Degree Programmes

Sl. No.	Programme	Semester	Commencement of Induction Programme	Commencement of Classes	Last working day	Commencement of Practical Examinations	Commencement of End Semester Examinations
1.	B.E. / B.Tech. (Full Time)	I	14.11.2022	28.11.2022	23.03.2023	25.03.2023	05.04.2023
2.	B.Arch.(Full Time)	I	14.11.2022	28.11.2022	15.03.2023	25.03.2023	05.04.2023
3.	B.E. / B.Tech. (Part Time)	I	-	14.11.2022	01.03.2023	25.03.2023	05.04.2023

RE-OPENING DAY FOR THE NEXT SEMESTER: 15.05.2023 (Monday)

NOTE:

1. The Theory and Practical Examination schedules will be published in due course. (Practical Examinations will be conducted before the theory examinations).
2. If necessary, loss of classes due to various curricular / co-curricular activities of the department / college may be compensated by conducting classes on Saturdays.

02/11/2022

DIRECTOR
ACADEMIC COURSES

Date: 22.08.2022

REVISED

CENTRE FOR ACADEMIC COURSES

ANNA UNIVERSITY: : CHENNAI – 600 025

ACADEMIC SCHEDULE FOR NON-AUTONOMOUS AFFILIATED COLLEGES

August 2022 – December 2022 (Semester III)

UG (FT/PT) & PG (FT/PT) Degree Programmes

Sl. No.	Programme	Semester	Commencement of Classes	Last working day	Commencement of Practical Examinations	Commencement of End Semester Examinations
1.	B.E. / B.Tech.(Full-Time)	III	22.08.2022	08.12.2022	10.12.2022	21.12.2022
2.	B.Arch. (Full-Time)	III				
3.	B.E. / B.Tech (Part-Time)	III				
4.	M.B.A. (5 Yrs-Integrated)	III				
5.	M.B.A. (Full-Time & Part-Time)	III	01.09.2022	19.12.2022	21.12.2022	02.01.2023

RE - OPENING DAY FOR THE NEXT SEMESTER: 30.01.2023 (Monday)

NOTE:

1. The Theory and Practical Examination schedules will be published in due course (Practical Examinations will be conducted before the theory examinations).
2. If necessary, loss of classes due to various curricular / co-curricular activities of the department / college may be compensated by conducting classes on Saturdays.

22/08/2022

DIRECTOR
ACADEMIC COURSES

DAC - SB

Date: 02.11.2022

REVISED - I

CENTRE FOR ACADEMIC COURSES

ANNA UNIVERSITY: : CHENNAI – 600 025

ACADEMIC SCHEDULE FOR NON-AUTONOMOUS AFFILIATED COLLEGES

August 2022 – December 2022 (Semester III)

UG (FT/PT) & PG (FT/PT) Degree Programmes

Sl. No.	Programme	Semester	Commencement of Classes	Last working day		Commencement of Practical Examinations		Commencement of End Semester Examinations	
				Existing	Revised	Existing	Revised	Existing	Revised
1.	B.E. / B.Tech. (Full-Time)	III	22.08.2022	08.12.2022	27.12.2022	10.12.2022	18.01.2023	21.12.2022	29.12.2022
2.	B.Arch. (Full-Time)	III	22.08.2022	08.12.2022	-	10.12.2022	18.01.2023	21.12.2022	29.12.2022
3.	B.E. / B.Tech (Part-Time)	III							
4.	M.B.A. (5 Yrs-Integrated)	III							
5.	M.B.A. (Full-Time & Part-Time)	III	01.09.2022	19.12.2022	-	21.12.2022	18.01.2023	02.01.2023	29.12.2022

RE - OPENING DAY FOR THE NEXT SEMESTER: 01.02.2023 (Wednesday)

NOTE:

1. The Theory and Practical Examination schedules will be published in due course (Practical Examinations will be conducted before the theory examinations).
2. If necessary, loss of classes due to various curricular / co-curricular activities of the department / college may be compensated by conducting classes on Saturdays.

02/11/2022

DIRECTOR
ACADEMIC COURSES

REGISTRAR

ANNA UNIVERSITY
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Letter No.4691/AU/CAC/R-2021/2022 19.08.2022

To
The Deans of Regional Campuses /
The Deans of Constituent Colleges /
The Principals of the Non-Autonomous Affiliated Colleges

CIRCULAR

I am pleased to inform you that the 28th Academic Council of Anna University has approved the Curriculum and Syllabi for all the higher semesters of UG degree programmes of R-2021.

The Curriculum of all the semesters of UG programmes and the syllabi of the Semesters III and IV of all UG programmes have been published in the University website.

It is informed that steps are being taken to publish the Syllabi of Semesters V to VIII in the website at the earliest.

It may be also noted that the following courses have been introduced from Semester I to III and for which the Syllabus will be provided at the earliest.

S. No.	Course title	Semester	Credits
1	அறிவியல் தமிழ் / Scientific Thoughts in Tamil	I	1
2	English Laboratory	I	1
3	தமிழர் மரபு / Heritage of Tamils	II	1
4	Communication Laboratory / Foreign Language	II	2
5	Professional Development	III	1

This is for your kind information.

REGISTRAR i/c

Copy to:
1. PS to Vice Chancellor
2. PA to Registrar
3. The Stock File, CAC.

ANNA UNIVERSITY:: CHENNAI 600 025

Internal Assessment Schedule for Non Autonomous Affiliated Institutions

AUGUST 2022 – DECEMBER 2022 - (SEMESTER - III)

UG (FT&PT) & PG(M.B.A) (5yrs integrated) Degree Programmes

Report No	Report Period	Test Period	Report Entry Period
I	22-08-2022 – 15-10-2022	10-10-2022 – 15-10-2022	15-10-2022 – 21-10-2022
II	17-10-2022 -- 08-12-2022	02-12-2022 -- 08-12-2022	08-12-2022 -- 10-12-2022

Saturdays may be included as working days to make good the Shortages, if any.

19.09.2022

CONTROLLER OF EXAMINATIONS

19.09.22

ANNA UNIVERSITY:: CHENNAI 600 025

Internal Assessment Schedule for Non Autonomous Affiliated Institutions

AUGUST2022 - DECEMBER 2022 - For all UG - Programmes (ODD SEMESTER-EXCEPT III SEMESTER)

Report No	Report Period	Test Period	Report Entry Period
I	10-08-2022 –23-08-2022	----	29-09-2022 – 06-10-2022
II	24-08-2022 -- 21-09-2022	16-09-2022 -- 21-09-2022	29-09-2022 -- 06-10-2022
III	22-09-2022 -- 21-10-2022	17-10-2022 -- 21-10-2022	21-10-2022 --29-10-2022
IV	22-10-2022 -- 19-11-2022	14-11-2022 -- 19-11-2022	19-11-2022 -- 21-11-2022

Saturdays may be included as working days to make good the Shortages, if any.

19.09.2022

CONTROLLER OF EXAMINATIONS

19-09-22

RAMCO INSTITUTE OF TECHNOLOGY

Approved by AICTE, New Delhi & Affiliated to Anna University
Accredited by NAAC & An ISO 9001:2015 Certified Institution
NBA Accredited UG Programs: CSE, EEE, ECE and MECH

EXAMINATION CONTROL OFFICE
Academic Year 2022-23
TIME TABLE FOR INTERNAL ASSESSMENT TEST (Regulation - 2021)

RIT/ECO/2022-2023 (Odd)/38 23.03.2023

It is scheduled to conduct the Internal Assessment Test (Regulation – 2021) for all I Semester students as per the following detail:

Test Timings: 11.00 a.m. to 12.30 p.m. **Semester: I**

DATE	COURSE CODE & TITLE
24.03.2023	GE3152 - தமிழர் மரபு / Heritage of Tamils

- Attendance is compulsory.
- Internal Assessment Test - II will be conducted for duration of 90 minutes with a Maximum of 25 Marks.
- Portion for Internal Assessment Test will be full syllabus of the course.

23/3/23
Controller of Examinations

O/D
Vice-Principal

23/3/23
Principal

1. Copy to all Faculty members through respective HOD for information and record through email.
2. To be read in all First Semester classes.
3. To be displayed in notice boards (Academic block and Hostels).
4. File.

RAMCO INSTITUTE OF TECHNOLOGY

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NBA Accredited UG Programs: CSE, EEE, ECE and MECH

EXAMINATION CONTROL OFFICE
Academic Year 2022-23
TIME TABLE FOR INTERNAL ASSESSMENT TEST – II (Regulation - 2021)

RIT/ECO/2022-2023 (Odd)/34 20.02.2023

The Internal Assessment Test – II (Regulation – 2021) for all the branches of **First Semester** B.E. Programmes will be conducted as per the following Schedule.

Test Timings: 1.45p.m. to 4.45 p.m. **Semester: I**

DATE	COURSE CODE & TITLE
13.03.2023	HS3151 - Professional English - I
14.03.2023	MA3151 - Matrices and Calculus
15.03.2023	PH3151 - Engineering Physics
16.03.2023	CY3151 - Engineering Chemistry
17.03.2023	GE3151 - Problem Solving and Python Programming

- Attendance is compulsory.
- Internal Assessment Test - II will be conducted for duration of 3 hours with a Maximum of 100 Marks.
- **Portion for Internal Assessment Test - II will be from 50% of Unit – III and full syllabus of Unit-IV, and Unit-V in the respective courses.**
- All students are advised to prepare well and write the Test properly to score more than 70% in each subject.
- All students are advised to write legibly using good quality ball point pen (Blue and Black colors are only permitted)

20/02/23
Controller of Examinations

20/2/23
Vice-Principal

21.2.23
Principal

1. Copy to all Faculty members through respective HOD for information and record through email.
2. To be read in all First Semester classes.
3. To be displayed in notice boards (Academic block and Hostels).
4. File.

RAMCO INSTITUTE OF TECHNOLOGY

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EXAMINATION CONTROL OFFICE
Academic Year 2022-23
TIME TABLE FOR INTERNAL ASSESSMENT TEST – I (Regulation - 2021)

RIT/ECO/2022-2023 (Odd)/29 30.12.2022

The Internal Assessment Test – I (Regulation - 2021) for all the branches of **First Semester** B.E. Programme will be conducted as per the following Schedule.

Test Timings: 1.45 p.m. to 4.45 p.m. **Semester: I**

DATE	COURSE CODE & TITLE
07.01.2023	HS3151 - Professional English - I
09.01.2023	MA3151 - Matrices and Calculus
10.01.2023	PH3151 - Engineering Physics
11.01.2023	CY3151 - Engineering Chemistry
12.01.2023	GE3151 - Problem Solving and Python Programming

- Attendance is compulsory.
- Internal Assessment Test - I will be conducted for duration of 3 hours with a Maximum of 100 Marks.
- **Portion for Internal Assessment Test - I will be from full syllabus of Unit-I, Unit-II and 50% of Unit -III in the respective courses.**
- All students are advised to prepare well and write the Test properly to score more than 70% in each subject.
- All students are advised to write legibly using good quality ball point pen (Blue and Black colors are only permitted)

30/12/2022
Controller of Examinations

30/12/22
Vice-Principal

30.12.22
Principal

1. Copy circulated to all Faculty members through respective HOD for information and record.
2. To be read in all First year classes.
3. To be circulated to all the students through e-mail.
4. To be displayed in notice boards (Academic block & Hostels).
5. File.

RAMCO INSTITUTE OF TECHNOLOGY

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EXAMINATION CONTROL OFFICE
Academic Year 2022-2023
TIME TABLE FOR INTERNAL ASSESSMENT TEST - II (R-2021)

RIT/ECO/2022-2023 (Odd)/25 03.12.2022

The Internal Assessment Test - II for all the branches of **Third Semester** B.E./B.Tech. Programmes will be conducted as per the following Schedule: -

Test Timings: 1.45 p.m. to 4.45 p.m. **Semester: III**

DATE/ BRANCH	CIVIL	CSE	EEE	ECE	MECH.	AD
14.12.2022	MA3351 - Transforms and Partial Differential Equations	MA3354 - Discrete Mathematics	EE3301 - Electromagnetic Fields	MA3355 - Random Processes and Linear Algebra	MA3351 - Transforms and Partial Differential Equations	MA3354 - Discrete Mathematics
15.12.2022	ME3351 - Engineering Mechanics	CS3351 - Digital Principles and Computer Organization	MA3303 - Probability and Complex Functions	EC3354 - Signals and Systems	ME3351 - Engineering Mechanics	CS3351 - Digital Principles and Computer Organization
16.12.2022	CE3301 - Fluid Mechanics	CS3301 - Data Structures	CS3353 - C Programming and Data Structures	CS3353 - C Programming and Data Structures	CE3391 - Fluid Mechanics and Machinery	AD3301 - Data Exploration and Visualization
17.12.2022	CE3302 - Construction Materials and Technology	CS3352 - Foundations of Data Science	EC3301 - Electron Devices and Circuits	EC3353 - Electronic Devices and Circuits	ME3391 - Engineering Thermodynamics	AD3391 - Database Design and Management
19.12.2022	CE3303 - Water Supply and Wastewater Engineering	CS3391 - Object Oriented Programming	EE3303 - Electrical Machines - I	EC3351 - Control Systems	ME3392 - Engineering Materials and Metallurgy	AD3351 - Design and Analysis of Algorithms
20.12.2022	CE3351 - Surveying and Levelling	-	EE3302 - Digital Logic Circuits	EC3352 - Digital Systems Design	ME3393 - Manufacturing Processes	AL3391 - Artificial Intelligence

- Attendance is compulsory.
- Internal Assessment Test - II will be conducted for duration of 3 hours with a Maximum of 100 Marks.
- **Portion for Internal Assessment Test - II will be from 50% of Unit -III and full syllabus of Unit – IV& Unit- V in the respective courses.**
- All students are advised to prepare well and write the Test properly to score more than 70% in each subject.
- All students are advised to write legibly using good quality ball point pen (Blue and Black colors are only permitted)

3/12/22 31/12/22 5/12/22

Controller of Examinations **Vice-Principal** **Principal**

1. Copy circulated to all Faculty members through respective HOD for information and record.
2. To be read in all III semester classes.
3. To be displayed in all Notice Boards - College and Hostels.
4. File.

EXAMINATION CONTROL OFFICE

Academic Year 2022-23

TIME TABLE FOR INTERNAL ASSESSMENT TEST - III (R 2017)

ADVANCEMENT COURSE

RIT/ECO/2022-2023 (Odd)/24 30.11.2022

The Internal Assessment Test-III for Advancement courses will be conducted as per the following Schedule.

Test Timings: FN: 10.00 a.m. to 1.00 p.m.
AN: 1.00 p.m. to 4.00 p.m. **Semester: VII**

DATE/ BRANCH	CSE	EEE	ECE	MECH.
02.12.2022 (AN)	GE8073 – Fundamentals of Nanosciecne		EC8094 – Satellite Communication	
05.12.2022 (FN)		GE8076 - Professionals Ethics in Engineering		GE8076 - Professionals Ethics in Engineering
		MG8591 - Principles of Management		IE8693 – Production Planning and Control

- Attendance is compulsory.
- Internal Assessment Test will be conducted for duration of 3 hours with a Maximum of 100 Marks.
- **Portion for Internal Assessment Test-III will be full syllabus of Unit – IV and Unit-V in the respective courses.**
- All students are advised to prepare well and write the Test properly to score more than 70% in each subject.

30/11/22 30/11/22 30/11/22

Controller of Examinations **Vice-Principal** **Principal**

1. Copy circulated to all Faculty members through respective HOD for information and record.
2. To be read in all IV year classes.
3. To be displayed in all Notice Boards - College and Hostels.
4. File.

EXAMINATION CONTROL OFFICE
Academic Year 2022-23
TIME TABLE FOR INTERNAL ASSESSMENT TEST – III (R2017) REVISED 3

RIT/ECO/2022-2023 (Odd)/22 18.11.2022

The Revised Internal Assessment Test – III Schedule for the **Fifth Semester** B.E. MECH and **Seventh Semester** B.E. CIVIL Programme is as follows:

Sl. No.	Course Code & Title	Date of Exam	Rescheduled Date of Exam
1.	CE8701 – Estimation, Costing and Valuation Engineering	03.12.2022	19.11.2022
2.	ME8593 – Design of Machine Elements	03.12.2022	19.11.2022

18/11/22 18/11/22 18/11/22

Controller of Examinations **Vice-Principal** **Principal**

1. Copy circulated to all Faculty members through respective HOD for information and record.
2. To be read in III year Mech & IV year Civil class.
3. To be displayed in all Notice Boards - College and Hostels.
4. File.

RAMCO INSTITUTE OF TECHNOLOGY

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EXAMINATION CONTROL OFFICE
Academic Year 2022-23
TIME TABLE FOR INTERNAL ASSESSMENT TEST – III (R2017) - Revised

RIT/ECO/2022-2023 (Odd)/121 14.11.2022

The Internal Assessment Test - III for all the branches of **Fifth and Seventh Semesters** B.E. Programmes will be conducted as per the following revised schedule:

Test Timings: 1.00 p.m. to 4.00 p.m. **Semester: VII**

DATE/ BRANCH	CIVIL	CSE	EEE	ECE	MECH.
15.11.2022	CE8702 – Railways, Airports, Docks and Harbour Engineering	MG8591 – Principles of Management	EE8702 – Power System Operation and Control	EC8701 – Antennas and Microwave Engineering	ME8791 - Mechatronics
16.11.2022	CE8703 – Structural Design and Drawing	CS8792 – Cryptography and Network Security	EE8703 – Renewable Energy Systems	EC8702 – Ad hoc and Wireless Sensor Networks	ME8793 – Process Planning and Cost Estimation
17.11.2022	EN8591 – Municipal Solid Waste Management	GE8077 – Total Quality Management	GE8077 – Total Quality Management	EC8791 – Embedded and Real Time Systems	ME8073 – Unconventional Machining Processes MF8071 – Additive Manufacturing GE8077 – Total Quality Management
18.11.2022	OML751 – Testing of Material	OCH752 – Energy Technology	OCS752 – Introduction to C Programming	OCH752 – Energy Technology OCE751 – Environmental and Social Impact Assessment	OCE751 – Environmental and Social Impact Assessment
		OCE751 – Environmental and Social Impact Assessment	OML751 – Testing of Materials	OEN751 – Green Building Design OCS752 – Introduction to C Programming	OEN751 – Green Building Design
19.11.2022	-	CS8791 – Cloud Computing	GE8071 – Disaster Management	EC8751 – Optical Communication	ME8099 – Robotics ME8097 – Non Destructive Testing and Evaluation GE8071 – Disaster Management
03.12.2022	CE8701 – Estimation, Costing and Valuation Engineering	-	EE8701 – High Voltage Engineering	-	ME8792 – Power Plant Engineering

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NBA Accredited UG Programs: CSE, EEE, ECE and MECH

Test Timings: 1.00 p.m. to 4.00 p.m. **Semester: V**

DATE/ BRANCH	CIVIL	CSE	EEE	ECE	MECH.
15.11.2022	CE8591 – Foundation Engineering	MA8551 – Algebra and Number Theory	EE8551 – Microprocessors and Microcontrollers	EC8553 – Discrete-Time Signal Processing	ME8501 – Metrology & Measurements
16.11.2022	CE8502 – Structural Analysis I	EC8691 – Microprocessors and Microcontrollers	EE8552 – Power Electronics	EC8552 – Computer Architecture and Organization	ME8595 – Thermal Engineering - II
17.11.2022	ORO551 – Renewable Energy Sources	OCE551 – Air Pollution and Control Engineering	OCE551 – Air Pollution and Control Engineering	OCE551 – Air Pollution and Control Engineering	OIT551- Database Management Systems
			OMF551 – Product Design and Development	OIT551- Database Management Systems	
	OAN551 – Sensors and Transducers	OMF551 – Product Design and Development	OIT551- Database Management Systems	OMF551 – Product Design and Development	OCE551 – Air Pollution and Control Engineering
		OAN551 – Sensors and Transducers	OAN551 – Sensors and Transducers	ORO551 – Renewable Energy Sources	OAN551 – Sensors and Transducers
18.11.2022	EN8491 – Water Supply Engineering	CS8501 – Theory of Computation	EE8591 – Digital Signal processing	EC8551 – Communication Networks	ME8594 – Dynamics of Machines
19.11.2022	GE8071 – Disaster Management	CS8592 – Object Oriented Analysis and Design	CS8392 – Object Oriented Programming	CS8392 – Object Oriented Programming	
				GE8077 – Total Quality Management	
03.12.2022	CE8501 – Design of Reinforced Cement Concrete Elements	CS8591 – Computer Networks	EE8501 – Power System Analysis	EC8501 – Digital Communication	ME8593 – Design of Machine Elements

- Attendance is compulsory.
- Internal Assessment Test will be conducted for duration of 3 Hours with a Maximum of 100 Marks.
- **Portion for Internal Assessment Test-III will be full syllabus of Unit – IV and Unit-V in the respective courses.**
- All students are advised to prepare well and write the Test properly to score more than 70% in each subject.
- All students are advised to write legibly using good quality ball point pen (Blue and Black colors are only permitted)

14/11/22 — **Controller of Examinations**

14/11/22 — **Vice-Principal**

14/11/22 — **Principal**

1. Copy circulated to all Faculty members through respective HOD for information and record.
2. To be read in all III and IV year classes.
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EXAMINATION CONTROL OFFICE
Academic Year 2022-23
TIME TABLE FOR INTERNAL ASSESSMENT TEST – III (R2017)

RIT/ECO/2022-2023 (Odd)/18 05.11.2022

The Internal Assessment Test - III for all the branches of **Fifth and Seventh Semesters** B.E. Programmes will be conducted as per the following schedule:

Test Timings: 1.00 p.m. to 4.00 p.m. **Semester: VII**

DATE/ BRANCH	CIVIL	CSE	EEE	ECE	MECH.
14.11.2022	CE8701 – Estimation, Costing and Valuation Engineering	-	EE8701 – High Voltage Engineering	-	ME8792 – Power Plant Engineering
15.11.2022	CE8702 – Railways, Airports, Docks and Harbour Engineering	MG8591 – Principles of Management	EE8702 – Power System Operation and Control	EC8701 – Antennas and Microwave Engineering	ME8791 - Mechatronics
16.11.2022	CE8703 – Structural Design and Drawing	CS8792 – Cryptography and Network Security	EE8703 – Renewable Energy Systems	EC8702 – Ad hoc and Wireless Sensor Networks	ME8793 – Process Planning and Cost Estimation
17.11.2022	EN8591 – Municipal Solid Waste Management	GE8077 – Total Quality Management	GE8077 – Total Quality Management	EC8791 – Embedded and Real Time Systems	ME8073 – Unconventional Machining Processes MF8071 – Additive Manufacturing GE8077 – Total Quality Management
18.11.2022	OML751 – Testing of Material	OCH752 – Energy Technology	OCS752 – Introduction to C Programming	OCH752 – Energy Technology OCE751 – Environmental and Social Impact Assessment	OCE751 – Environmental and Social Impact Assessment
		OCE751 – Environmental and Social Impact Assessment	OML751 – Testing of Materials	OEN751 – Green Building Design OCS752 – Introduction to C Programming	OEN751 – Green Building Design
19.11.2022	-	CS8791 – Cloud Computing	GE8071 – Disaster Management	EC8751 – Optical Communication	ME8099 – Robotics ME8097 – Non Destructive Testing and Evaluation GE8071 – Disaster Management

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Test Timings: 1.00 p.m. to 4.00 p.m. **Semester: V**

DATE/ BRANCH	CIVIL	CSE	EEE	ECE	MECH.
14.11.2022	CE8501 – Design of Reinforced Cement Concrete Elements	MA8551 – Algebra and Number Theory	EE8501 – Power System Analysis	EC8501 – Digital Communication	ME8593 – Design of Machine Elements
15.11.2022	CE8591 – Foundation Engineering	CS8591 – Computer Networks	EE8551 – Microprocessors and Microcontrollers	EC8553 – Discrete-Time Signal Processing	ME8501 – Metrology & Measurements
16.11.2022	CE8502 – Structural Analysis I	EC8691 – Microprocessors and Microcontrollers	EE8552 – Power Electronics	EC8552 – Computer Architecture and Organization	ME8595 – Thermal Engineering - II
17.11.2022	ORO551 – Renewable Energy Sources	OCE551 – Air Pollution and Control Engineering	OCE551 – Air Pollution and Control Engineering	OCE551 – Air Pollution and Control Engineering	OIT551- Database Management Systems
			OMF551 – Product Design and Development	OIT551- Database Management Systems	
	OAN551 – Sensors and Transducers	OMF551 – Product Design and Development	OIT551- Database Management Systems	OMF551 – Product Design and Development	OCE551 – Air Pollution and Control Engineering
		OAN551 – Sensors and Transducers	OAN551 – Sensors and Transducers	ORO551 – Renewable Energy Sources	OAN551 – Sensors and Transducers
18.11.2022	EN8491 – Water Supply Engineering	CS8501 – Theory of Computation	EE8591 – Digital Signal processing	EC8551 – Communication Networks	ME8594 – Dynamics of Machines
19.11.2022	GE8071 – Disaster Management	CS8592 – Object Oriented Analysis and Design	CS8392 – Object Oriented Programming	CS8392 – Object Oriented Programming	-
				GE8077 – Total Quality Management	

- Attendance is compulsory.
- Internal Assessment Test will be conducted for duration of 3 Hours with a Maximum of 100 Marks.
- **Portion for Internal Assessment Test-III will be full syllabus of Unit – IV and Unit-V in the respective courses.**
- All students are advised to prepare well and write the Test properly to score more than 70% in each subject.
- All students are advised to write legibly using good quality ball point pen (Blue and Black colors are only permitted)

05/11/2022
Controller of Examinations

5/11/22
Vice-Principal

5/11/22
Principal

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EXAMINATION CONTROL OFFICE

Academic Year 2022-23

TIME TABLE FOR INTERNAL ASSESSMENT TEST - II (R 2017)

ADVANCEMENT COURSE

RIT/ECO/2022-2023 (Odd)/17 26.10.2022

The Internal Assessment Test-II for Advancement courses will be conducted as per the following Schedule.

Test Timings: 9.00 a.m. to 10.40 a.m. **Semester: VII**

DATE/ BRANCH	CSE	EEE	ECE	MECH.
31.10.2022	GE8073 – Fundamentals of Nanosciecne	GE8076 - Professionals Ethics in Engineering	EC8094 – Satellite Communication	GE8076 - Professionals Ethics in Engineering
		MG8591 - Principles of Management		IE8693 – Production Planning and Control

- Attendance is compulsory.
- Internal Assessment Test will be conducted for duration of 90 Minutes with a Maximum of 50 Marks.
- **Portion for Internal Assessment Test-II will be from full syllabus of 50% of Unit-II and full syllabus of Unit- III in the respective subjects.**
- All students are advised to prepare well and write the Test properly to score more than 70% in each subject.

26/10/22
Controller of Examinations

26/10/22
Vice-Principal

26.10.22
Principal

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EXAMINATION CONTROL OFFICE

Academic Year 2022-23

TIME TABLE FOR INTERNAL ASSESSMENT TEST - I (R 2017)

ADVANCEMENT COURSE

RIT/ECO/2022-2023 (Odd)/16 26.10.2022

The Internal Assessment Test-I for Advancement courses will be conducted as per the following Schedule.

Test Timings: 9.00 a.m. to 10.40 a.m. **Semester: VII**

DATE/ BRANCH	CSE	EEE	ECE	MECH.
28.10.2022	GE8073 – Fundamentals of Nanosciecne	GE8076 - Professionals Ethics in Engineering	EC8094 – Satellite Communication	GE8076 - Professionals Ethics in Engineering
		MG8591 - Principles of Management		IE8693 – Production Planning and Control

- Attendance is compulsory.
- Internal Assessment Test will be conducted for duration of 90 Minutes with a Maximum of 50 Marks.
- **Portion for Internal Assessment Test-I will be from full syllabus of Unit-I and 50% of Unit-II in the respective subjects.**
- All students are advised to prepare well and write the Test properly to score more than 70% in each subject.

26/10/22

Controller of Examinations **Vice-Principal** 26.10.22 **Principal**

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EXAMINATION CONTROL OFFICE
Academic Year 2022-23
TIME TABLE FOR INTERNAL ASSESSMENT TEST – I (R-2021) - Revised
(Applicable only for Integrated courses Practical Examination)

RIT/ECO/2022-2023 (Odd)/13 14.10.2022

The Internal Assessment Test – I for practical exercises of integrated courses will be conducted as per the following schedule:

Semester: III

DATE/ BRANCH	CSE	ECE	AD
17.10.2022 FN	CS3351 – Digital Principles and Computer Organization	-	-
17.10.2022 AN	-	-	CS3351 – Digital Principles and Computer Organization
19.10.2022 FN	-	EC3352 – Digital System Design ('B' Section)	-
20.10.2022 FN	-	-	AD3351 – Design and Analysis of Algorithms
20.10.2022 AN	-	EC3352 – Digital System Design ('A' Section)	-
21.10.2022 FN	-	-	AD3301 – Data Exploration and Visualization

- Attendance is compulsory.
- The test will be conducted for duration of 90 Minutes with a Maximum of 50 Marks.

14/10/22
Controller of Examinations

Vice-Principal

S.K 14/10/22
Principal

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EXAMINATION CONTROL OFFICE

Academic Year 2022-23

TIME TABLE FOR INTERNAL ASSESSMENT TEST – I (R-2021)

(Applicable only for Integrated courses Practical Examination)

RIT/ECO/2022-2023 (Odd)/12 13.10.2022

The Internal Assessment Test – I for practical exercises of integrated courses will be conducted as per the following schedule:

Semester: III

DATE/ BRANCH	CSE	ECE	AD
17.10.2022 FN	CS3351 – Digital Principles and Computer Organization	-	-
17.10.2022 AN	-	-	CS3351 – Digital Principles and Computer Organization
19.10.2022 FN	-	EC3352 – Digital System Design ('B' Section)	-
20.10.2022 AN	-	EC3352 – Digital System Design ('A' Section)	AD3351 – Design and Analysis of Algorithms
21.10.2022 FN	-	-	AD3301 – Data Exploration and Visualization

- Attendance is compulsory.
- Test will be conducted for duration of 90 Minutes with a Maximum of 50 Marks.

13/10/2022
Controller of Examinations

Vice-Principal

13/10/22
Principal

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EXAMINATION CONTROL OFFICE
Academic Year 2022-23
TIME TABLE FOR INTERNAL ASSESSMENT TEST – II (R2017)

RIT/ECO/2022-2023 (Odd)/10 08.010.2022

The Internal Assessment Test - II for all the branches of **Fifth and Seventh Semesters** B.E. Programmes will be conducted as per the following schedule:

Test Timings: 9.00 a.m. to 10.40 a.m. **Semester: VII**

DATE/ BRANCH	CIVIL	CSE	EEE	ECE	MECH.
15.10.2022	CE8701 – Estimation, Costing and Valuation Engineering	MG8591 – Principles of Management	EE8701 – High Voltage Engineering	EC8701 – Antennas and Microwave Engineering	ME8792 – Power Plant Engineering
17.10.2022	CE8702 – Railways, Airports, Docks and Harbour Engineering	CS8792 – Cryptography and Network Security	EE8702 – Power System Operation and Control	EC8751 – Optical Communication	ME8793 – Process Planning and Cost Estimation
18.10.2022	CE8703 – Structural Design and Drawing	CS8791 – Cloud Computing	EE8703 – Renewable Energy Systems	EC8791 – Embedded and Real Time Systems	ME8791 - Mechatronics
19.10.2022	EN8591 – Municipal Solid Waste Management	GE8077 – Total Quality Management	GE8077 – Total Quality Management	EC8702 – Ad hoc and Wireless Sensor Networks	ME8073 – Unconventional Machining Processes MF8071 – Additive Manufacturing GE8077 – Total Quality Management
20.10.2022	OML751 – Testing of Material	OCH752 – Energy Technology	OCS752 – Introduction to C Programming	OCH752 – Energy Technology OCE751 – Environmental and Social Impact Assessment	OCE751 – Environmental and Social Impact Assessment
		OCE751 – Environmental and Social Impact Assessment	OML751 – Testing of Materials	OEN751 – Green Building Design OCS752 – Introduction to C Programming	OEN751 – Green Building Design
21.10.2022	-	-	GE8071 – Disaster Management	-	ME8099 – Robotics ME8097 – Non Destructive Testing and Evaluation GE8071 – Disaster Management

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Test Timings: 9.00 a.m. to 10.40 a.m. **Semester: V**

DATE/ BRANCH	CIVIL	CSE	EEE	ECE	MECH.
15.10.2022	CE8501 – Design of Reinforced Cement Concrete Elements	MA8551 – Algebra and Number Theory	EE8501 – Power System Analysis	EC8501 – Digital Communication	ME8501 – Metrology & Measurements
17.10.2022	CE8502 – Structural Analysis I	CS8591 – Computer Networks	EE8551 – Microprocessors and Microcontrollers	EC8553 – Discrete-Time Signal Processing	ME8593 – Design of Machine Elements
18.10.2022	EN8491 – Water Supply Engineering	EC8691 – Microprocessors and Microcontrollers	EE8552 – Power Electronics	EC8552 – Computer Architecture and Organization	ME8595 – Thermal Engineering - II
19.10.2022	CE8591 – Foundation Engineering	CS8501 – Theory of Computation	EE8591 – Digital Signal processing	CS8392 – Object Oriented Programming GE8077 – Total Quality Management	ME8594 – Dynamics of Machines
20.10.2022	ORO551 – Renewable Energy Sources	OCE551 – Air Pollution and Control Engineering	OCE551 – Air Pollution and Control Engineering OMF551 – Product Design and Development	OCE551 – Air Pollution and Control Engineering OIT551- Database Management Systems	OIT551- Database Management Systems
	OAN551 – Sensors and Transducers	OMF551 – Product Design and Development OAN551 – Sensors and Transducers	OIT551- Database Management Systems OAN551 – Sensors and Transducers	OMF551 – Product Design and Development ORO551 – Renewable Energy Sources	OCE551 – Air Pollution and Control Engineering OAN551 – Sensors and Transducers
21.10.2022	GE8071 – Disaster Management	CS8592 – Object Oriented Analysis and Design	CS8392 – Object Oriented Programming	EC8551 – Communication Networks	-

- Attendance is compulsory.
- Internal Assessment Test will be conducted for duration of 90 Minutes with a Maximum of 50 Marks.
- **Portion for Internal Assessment Test-II will be 50% syllabus in Unit – II and full syllabus in Unit-III in the respective courses.**
- All students are advised to prepare well and write the Test properly to score more than 70% in each subject.
- All students are advised to write legibly using good quality ball point pen (Blue and Black colors are only permitted)
- **Due to the shorter duration of portal entry period and Diwali holidays, No retest will be conducted.**

8/10/2022
Controller of Examinations

Vice-Principal

Principal

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EXAMINATION CONTROL OFFICE
Academic Year 2022-2023
TIME TABLE FOR INTERNAL ASSESSMENT TEST - I (R-2021) - REVISED

RIT/ECO/2022-2023 (Odd)/09 01.10.2022

The Revised Internal Assessment Test - I for all the branches of **Third Semester** B.E./B.Tech. Programmes will be conducted as per the following Schedule:

Test Timings: 1.00 p.m. to 4.00 p.m. **Semester: III**

DATE/ BRANCH	CIVIL	CSE	EEE	ECE	MECH.	AD
10.10.2022	MA3351 - Transforms and Partial Differential Equations	MA3354 - Discrete Mathematics	EE3301 - Electromagnetic Fields	MA3355 - Random Processes and Linear Algebra	MA3351 - Transforms and Partial Differential Equations	MA3354 - Discrete Mathematics
11.10.2022	ME3351 - Engineering Mechanics	CS3351 - Digital Principles and Computer Organization	MA3303 - Probability and Complex Functions	EC3354 - Signals and Systems	ME3351 - Engineering Mechanics	CS3351 - Digital Principles and Computer Organization
12.10.2022	CE3301 - Fluid Mechanics	CS3301 - Data Structures	CS3353 - C Programming and Data Structures	CS3353 - C Programming and Data Structures	CE3391 - Fluid Mechanics and Machinery	AD3301 - Data Exploration and Visualization
13.10.2022	CE3302 - Construction Materials and Technology	CS3352 - Foundations of Data Science	EC3301 - Electron Devices and Circuits	EC3353 - Electronic Devices and Circuits	ME3391 - Engineering Thermodynamics	AD3391 - Database Design and Management
14.10.2022	CE3303 - Water Supply and Wastewater Engineering	CS3391 - Object Oriented Programming	EE3303 - Electrical Machines - I	EC3351 - Control Systems	ME3392 - Engineering Materials and Metallurgy	AD3351 - Design and Analysis of Algorithms
15.10.2022	CE3351 - Surveying and Levelling	-	EE3302 - Digital Logic Circuits	EC3352 - Digital Systems Design	ME3393 - Manufacturing Processes	AL3391 - Artificial Intelligence

- Attendance is compulsory.
- Internal Assessment Test - I will be conducted for duration of 3 hours with a Maximum of 100 Marks.
- **Portion for Internal Assessment Test - I will be full syllabus of Unit-I, Unit-II and 50% of Unit -III in the respective courses.**
- All students are advised to prepare well and write the Test properly to score more than 70% in each subject.
- All students are advised to write legibly using good quality ball point pen (Blue and Black colors are only permitted)

01.10.2022
Controller of Examinations

1/10/22
Vice-Principal

1.10.22
Principal

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EXAMINATION CONTROL OFFICE
Academic Year 2022-2023
TIME TABLE FOR INTERNAL ASSESSMENT TEST - I (R-2021)

RIT/ECO/2022-2023 (Odd)/08 30.09.2022

The Internal Assessment Test - I for all the branches of **Third Semester** B.E./B.Tech. Programmes will be conducted as per the following Schedule:

Test Timings: 1.45 p.m. to 4.45 p.m. **Semester: III**

DATE/ BRANCH	CIVIL	CSE	EEE	ECE	MECH.	AD
10.10.2022	MA3351 - Transforms and Partial Differential Equations	MA3354 - Discrete Mathematics	EE3301 - Electromagnetic Fields	MA3355 - Random Processes and Linear Algebra	MA3351 - Transforms and Partial Differential Equations	MA3354 - Discrete Mathematics
11.10.2022	ME3351 - Engineering Mechanics	CS3351 - Digital Principles and Computer Organization	MA3303 - Probability and Complex Functions	EC3354 - Signals and Systems	ME3351 - Engineering Mechanics	CS3351 - Digital Principles and Computer Organization
12.10.2022	CE3301 - Fluid Mechanics	CS3301 - Data Structures	CS3353 - C Programming and Data Structures	CS3353 - C Programming and Data Structures	CE3391 - Fluid Mechanics and Machinery	AD3301 - Data Exploration and Visualization
13.10.2022	CE3302 - Construction Materials and Technology	CS3352 - Foundations of Data Science	EC3301 - Electron Devices and Circuits	EC3353 - Electronic Devices and Circuits	ME3391 - Engineering Thermodynamics	AD3391 - Database Design and Management
14.10.2022	CE3303 - Water Supply and Wastewater Engineering	CS3391 - Object Oriented Programming	EE3303 - Electrical Machines - I	EC3351 - Control Systems	ME3392 - Engineering Materials and Metallurgy	AD3351 - Design and Analysis of Algorithms
15.10.2022	CE3351 - Surveying and Levelling	-	EE3302 - Digital Logic Circuits	EC3352 - Digital Systems Design	ME3393 - Manufacturing Processes	AL3391 - Artificial Intelligence

- Attendance is compulsory.
- Internal Assessment Test - I will be conducted for duration of 3 hours with a Maximum of 100 Marks.
- **Portion for Internal Assessment Test - I will be from full syllabus of Unit-I, Unit-II and 50% of Unit -III in the respective courses.**
- All students are advised to prepare well and write the Test properly to score more than 70% in each subject.
- All students are advised to write legibly using good quality ball point pen (Blue and Black colors are only permitted)

30/09/22
Faculty In-charge

30/9/2022
Professor In-charge

30/9/22
Vice-Principal

30922
Principal

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EXAMINATION CONTROL OFFICE

Academic Year 2022-23

TIME TABLE FOR INTERNAL ASSESSMENT TEST – I RETEST

RIT/ECO/2022-2023 (Odd)/07 23.09.2022

The Internal Assessment Test-I Retest for all the branches of **Fifth and Seventh Semesters** B.E. Programmes will be conducted as per the following revised schedule.

Test Timings: 3.15 p.m. to 4.45 p.m. **Semester: VII**

DATE/ BRANCH	CIVIL	CSE	EEE	ECE	MECH.
26.09.2022	CE8701 – Estimation, Costing and Valuation Engineering	MG8591 – Principles of Management	EE8701 – High Voltage Engineering	EC8701 – Antennas and Microwave Engineering	ME8792 – Power Plant Engineering
27.09.2022	CE8702 – Railways, Airports, Docks and Harbour Engineering	CS8792 – Cryptography and Network Security	EE8702 – Power System Operation and Control	EC8751 – Optical Communication	ME8793 – Process Planning and Cost Estimation
28.09.2022	CE8703 – Structural Design and Drawing	CS8791 – Cloud Computing	EE8703 – Renewable Energy Systems	EC8791 – Embedded and Real Time Systems	ME8791 - Mechatronics
29.09.2022	EN8591 – Municipal Solid Waste Management	GE8077 – Total Quality Management	GE8077 – Total Quality Management	EC8702 – Ad hoc and Wireless Sensor Networks	ME8073 – Unconventional Machining Processes MF8071 – Additive Manufacturing GE8077 – Total Quality Management
30.09.2022	OML751 – Testing of Material	OCH752 – Energy Technology	OCS752 – Introduction to C Programming	OCH752 – Energy Technology OCE751 – Environmental and Social Impact Assessment	OCE751 – Environmental and Social Impact Assessment
		OCE751 – Environmental and Social Impact Assessment	OML751 – Testing of Materials	OEN751 – Green Building Design OCS752 – Introduction to C Programming	OEN751 – Green Building Design
01.10.2022	-	-	GE8071 – Disaster Management	-	ME8099 – Robotics ME8097 – Non Destructive Testing and Evaluation GE8071 – Disaster Management

23/9/22

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Test Timings: 3.15 p.m. to 4.45 p.m. **Semester: V**

DATE/ BRANCH	CIVIL	CSE	EEE	ECE	MECH.
26.09.2022	CE8501 – Design of Reinforced Cement Concrete Elements	MA8551 – Algebra and Number Theory	EE8501 – Power System Analysis	EC8501 – Digital Communication	ME8595 – Thermal Engineering - II
27.09.2022	CE8502 – Structural Analysis I	CS8591 – Computer Networks	EE8551 – Microprocessors and Microcontrollers	EC8553 – Discrete-Time Signal Processing	ME8593 – Design of Machine Elements
28.09.2022	EN8491 – Water Supply Engineering	EC8691 – Microprocessors and Microcontrollers	EE8552 – Power Electronics	EC8552 – Computer Architecture and Organization	ME8501 – Metrology & Measurements
29.09.2022	CE8591 – Foundation Engineering	CS8501 – Theory of Computation	EE8591 – Digital Signal processing	CS8392 – Object Oriented Programming / GE8077 – Total Quality Management	ME8594 – Dynamics of Machines
30.09.2022	ORO551 – Renewable Energy Sources	OCE551 – Air Pollution and Control Engineering	OCE551 – Air Pollution and Control Engineering / OMF551 – Product Design and Development	OCE551 – Air Pollution and Control Engineering / OIT551- Database Management Systems	OIT551- Database Management Systems
	OAN551 – Sensors and Transducers	OMF551 – Product Design and Development / OAN551 – Sensors and Transducers	OIT551- Database Management Systems / OAN551 – Sensors and Transducers	OMF551 – Product Design and Development / ORO551 – Renewable Energy Sources	OCE551 – Air Pollution and Control Engineering / OAN551 – Sensors and Transducers
01.10.2022	GE8071 – Disaster Management	CS8592 – Object Oriented Analysis and Design	CS8392 – Object Oriented Programming	EC8551 – Communication Networks	-

- **The students who took OD/Leave with prior permission from the Principal** will be permitted to write the retest for Internal Assessment Test - I only after obtaining prior approval from the Principal, forwarded by the Class Advisor and HOD.
- Based on learn-perform-score policy, the students who **scored marks less than 60%** in any course(s) are advised to compulsorily write the Retest to improve their marks.
- Students who have obtained less than 60% marks in any course are required to write the answers of IAT-I QP and submit it as an assignment before taking the retest. Without submitting the assignment, the students will not be permitted to write the re-test.

23/9/22 **Faculty In-charge** 22/9/2022 **Professor In-charge** 23/9/22 **Vice-Principal**

23/9/22 **Principal**

1. Copy circulated to all Faculty members through respective HOD for information and record.
2. To be read in all III and IV year classes.
3. To be displayed in all Notice Boards - College and Hostels.
4. File.

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EXAMINATION CONTROL OFFICE
Academic Year 2022-23
TIME TABLE FOR INTERNAL ASSESSMENT TEST – I (Revised)

RIT/ECO/2022-2023 (Odd)/04 05.09.2022

The Internal Assessment Test-I for all the branches of **Fifth and Seventh Semesters** B.E. Programmes will be conducted as per the following revised schedule.

Test Timings: 9.00 a.m. to 10.40 a.m. **Semester: VII**

DATE/ BRANCH	CIVIL	CSE	EEE	ECE	MECH.
13.09.2022	CE8701 – Estimation, Costing and Valuation Engineering	MG8591 – Principles of Management	EE8701 – High Voltage Engineering	EC8701 – Antennas and Microwave Engineering	ME8792 – Power Plant Engineering
14.09.2022	CE8702 – Railways, Airports, Docks and Harbour Engineering	CS8792 – Cryptography and Network Security	EE8702 – Power System Operation and Control	EC8751 – Optical Communication	ME8793 – Process Planning and Cost Estimation
15.09.2022	CE8703 – Structural Design and Drawing	CS8791 – Cloud Computing	EE8703 – Renewable Energy Systems	EC8791 – Embedded and Real Time Systems	ME8791 - Mechatronics
16.09.2022	EN8591 – Municipal Solid Waste Management	GE8077 – Total Quality Management	GE8077 – Total Quality Management	EC8702 – Ad hoc and Wireless Sensor Networks	ME8073 – Unconventional Machining Processes MF8071 – Additive Manufacturing GE8077 – Total Quality Management
17.09.2022	OML751 – Testing of Material	OCH752 – Energy Technology	OCS752 – Introduction to C Programming	OCH752 – Energy Technology OCE751 – Environmental and Social Impact Assessment	OCE751 – Environmental and Social Impact Assessment
		OCE751 – Environmental and Social Impact Assessment	OML751 – Testing of Materials	OEN751 – Green Building Design OCS752 – Introduction to C Programming	OEN751 – Green Building Design
19.09.2022	-	-	GE8071 – Disaster Management	-	ME8099 – Robotics ME8097 – Non Destructive Testing and Evaluation GE8071 – Disaster Management

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Test Timings: 9.00 a.m. to 10.40 a.m. **Semester: V**

DATE/ BRANCH	CIVIL	CSE	EEE	ECE	MECH.
13.09.2022	CE8501 – Design of Reinforced Cement Concrete Elements	MA8551 – Algebra and Number Theory	EE8501 – Power System Analysis	EC8501 – Digital Communication	ME8595 – Thermal Engineering - II
14.09.2022	CE8502 – Structural Analysis I	CS8591 – Computer Networks	EE8551 – Microprocessors and Microcontrollers	EC8553 – Discrete-Time Signal Processing	ME8593 – Design of Machine Elements
15.09.2022	EN8491 – Water Supply Engineering	EC8691 – Microprocessors and Microcontrollers	EE8552 – Power Electronics	EC8552 – Computer Architecture and Organization	ME8501 – Metrology & Measurements
16.09.2022	CE8591 – Foundation Engineering	CS8501 – Theory of Computation	EE8591 – Digital Signal processing	CS8392 – Object Oriented Programming / GE8077 – Total Quality Management	ME8594 – Dynamics of Machines
17.09.2022	ORO551 – Renewable Energy Sources	OCE551 – Air Pollution and Control Engineering	OCE551 – Air Pollution and Control Engineering / OMF551 – Product Design and Development	OCE551 – Air Pollution and Control Engineering / OIT551- Database Management Systems	OIT551- Database Management Systems
	OAN551 – Sensors and Transducers	OMF551 – Product Design and Development / OAN551 – Sensors and Transducers	OIT551- Database Management Systems / OAN551 – Sensors and Transducers	OMF551 – Product Design and Development / ORO551 – Renewable Energy Sources	OCE551 – Air Pollution and Control Engineering / OAN551 – Sensors and Transducers
19.09.2022	GE8071 – Disaster Management	CS8592 – Object Oriented Analysis and Design	CS8392 – Object Oriented Programming	EC8551 – Communication Networks	-

- Attendance is compulsory.
- Internal Assessment Test will be conducted for duration of 90 Minutes with a Maximum of 50 Marks.
- **Portion for** Internal **Assessment Test-I will be from Unit-I and 50% of Unit-II in the respective subjects**
- All students are advised to prepare well and write the Test properly to score more than 70% in each subject.
- All students are advised to write legibly using good quality ball point pen (Blue and Black colors are only permitted)

5/9/22 — **Faculty In-charge** 5/9/22 — **Professor In-charge** 5/9/22 — **Vice-Principal**

5/9/22 — **Principal**

1. Copy circulated to all Faculty members through respective HOD for information and record.
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EXAMINATION CONTROL OFFICE
Academic Year 2022-23
TIME TABLE FOR INTERNAL ASSESSMENT TEST – I

RIT/ECO/2022-2023 (Odd)/03 03.09.2022

The Internal Assessment Test-I for all the branches of **Fifth and Seventh Semesters** B.E. Programmes will be conducted as per the following Schedule.

Test Timings: 9.00 a.m. to 10.40 a.m. **Semester: VII**

DATE/ BRANCH	CIVIL	CSE	EEE	ECE	MECH.
13.09.2022	CE8701 – Estimation, Costing and Valuation Engineering	MG8591 – Principles of Management	EE8701 – High Voltage Engineering	EC8701 – Antennas and Microwave Engineering	ME8792 – Power Plant Engineering
14.09.2022	CE8702 – Railways, Airports, Docks and Harbour Engineering	CS8792 – Cryptography and Network Security	EE8702 – Power System Operation and Control	EC8751 – Optical Communication	ME8793 – Process Planning and Cost Estimation
15.09.2022	CE8703 – Structural Design and Drawing	CS8791 – Cloud Computing	EE8703 – Renewable Energy Systems	EC8791 – Embedded and Real Time Systems	ME8791 - Mechatronics
16.09.2022	EN8591 – Municipal Solid Waste Management	GE8077 – Total Quality Management	GE8077 – Total Quality Management	EC8702 – Ad hoc and Wireless Sensor Networks	ME8073 – Unconventional Machining Processes MF8071 – Additive Manufacturing GE8077 – Total Quality Management
17.09.2022	OML751 – Testing of Material	OCH752 – Energy Technology	OCS752 – Introduction to C Programming	OCH752 – Energy Technology OCE751 – Environmental and Social Impact Assessment	OCE751 – Environmental and Social Impact Assessment
		OCE751 – Environmental and Social Impact Engineering	OML751 – Testing of Materials	OEN751 – Green Building Design OCS752 – Introduction to C Programming	OEN751 – Green Building Design
19.09.2022	-	-	GE8071 – Disaster Management	-	ME8099 – Robotics ME8097 – Non Destructive Testing and Evaluation GE8071 – Disaster Management

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Test Timings: 9.00 a.m. to 10.40 a.m. **Semester: V**

DATE/ BRANCH	CIVIL	CSE	EEE	ECE	MECH.
13.09.2022	CE8501 – Design of Reinforced Cement Concrete Elements	MA8551 – Algebra and Number Theory	EE8501 – Power System Analysis	EC8501 – Digital Communication	ME8595 – Thermal Engineering - II
14.09.2022	CE8502 – Structural Analysis I	CS8591 – Computer Networks	EE8551 – Microprocessors and Microcontrollers	EC8553 – Discrete-Time Signal Processing	ME8593 – Design of Machine Elements
15.09.2022	EN8491 – Water Supply Engineering	EC8691 – Microprocessors and Microcontrollers	EE8552 – Power Electronics	EC8552 – Computer Architecture and Organization	ME8501 – Metrology & Measurements
16.09.2022	CE8591 – Foundation Engineering	CS8501 – Theory of Computation	EE8591 – Digital Signal processing	CS8392 – Object Oriented Programming / GE8077 – Total Quality Management	ME8594 – Dynamics of Machines
17.09.2022	ORO551 – Renewable Energy Sources	OCE551 – Air Pollution and Control Engineering	OCE551 – Air Pollution and Control Engineering / OMF551 – Product Design and Development	OCE551 – Air Pollution and Control Engineering / OIT551- Database Management Systems	OIT551- Database Management Systems
		OMF551 – Product Design and Development	OIT551- Database Management Systems	OMF551 – Product Design and Development	OCE551 – Air Pollution and Control Engineering
		ORO551 – Sensors and Transducers	OAN551 – Sensors and Transducers	ORO551 – Renewable Energy Sources	OAN551 – Sensors and Transducers
19.09.2022	GE8071 – Disaster Management	CS8592 – Object Oriented Analysis and Design	CS8392 – Object Oriented Programming	EC8551 – Communication Networks	-

- Attendance is compulsory.
- Internal Assessment Test will be conducted for duration of 90 Minutes with a Maximum of 50 Marks.
- **Portion for Internal Assessment Test-I will be from Unit-I and 50% of Unit-II in the respective subjects**
- All students are advised to prepare well and write the Test properly to score more than 70% in each subject.
- All students are advised to write legibly using good quality ball point pen (Blue and Black colors are only permitted)

3/9/22
Faculty In-charge

3/9/2022
Professor In-charge

Vice-Principal

5/9/22
Principal

1. Copy circulated to all Faculty members through respective HOD for information and record.
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EXAMINATION CONTROL OFFICE

Academic Year 2022-23 (Odd Semester)

CIRCULAR

RIT/ECO/2022-2023(Odd)02 22.08.2022

All the faculty members handling III semester Theory courses (Regulation 2021) are requested to conduct a Pre-Assessment test using LMS before 25.08.2022. The Pre-Assessment test marks must be entered in RIT-ERP on or before 27.08.2022 by 5.00 P.M. Further, from next semester (2022-2023 Even semester) onwards, all are requested to conduct the Pre-Assessment test as per the schedule given by RIT Examination Control Office.

22/8/22
Faculty In-Charge

22/8/22
Professor In-Charge

14/8/22
Vice-Principal

Principal
22.8.22

1. Copy to all Departments for information and needful action.
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EXAMINATION CONTROL OFFICE

Academic Year 2022-23 (Odd Semester)

CIRCULAR

RIT/ECO/2022-2023 (Odd)01 18.08.2022

All the faculty members handling V semester and VII semester Theory courses are requested to conduct a Pre-Assessment test using LMS before 22.08.2022. The Pre-Assessment test marks must be entered in RIT-ERP on or before 24.08.2022 by 5.00 P.M. Further, from next semester (2022-2023 Even semester) onwards, all are requested to conduct the Pre-Assessment test as per the schedule given by RIT Examination Control Office.

18/8/22
Faculty In-Charge

18/8/2022
Professor In-Charge

18/8/22
Vice-Principal

Principal
18/8/22

1. Copy to all Departments for information and needful action.
2. File.

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EXAMINATION CONTROL OFFICE
Academic Year 2022-23
TIME TABLE FOR INTERNAL ASSESSMENT TEST (Regulation - 2021)

RIT/ECO/2022-2023 (Even)/26 20.07.2023

It is scheduled to conduct the Internal Assessment Test I & II (Regulation – 2021) for all II Semester B.E/B.Tech. Students as per the following detail:

Semester: II

DATE/TIME	Internal Assessment Test (IAT)	COURSE CODE & TITLE
28.07.2023 9.10 a.m. - 10.40 a.m	IAT – I	GE3252 - தமிழரும் தொழில்நுட்பமும்/Tamils and Technology
28.07.2023 11.00 a.m - 12.30 p.m	IAT – II	

- Attendance is compulsory.
- Internal Assessment Test – I & II will be conducted for a duration of 90 minutes with a Maximum of 50 Marks.
- **Portion for Internal Assessment Test - I will be from full syllabus of Unit-I, Unit-II and 50% of Unit -III in the respective courses.**
- **Portion for Internal Assessment Test - II will be remaining 50% of Unit –III and full syllabus of Unit-IV and Unit-V in the respective courses.**
- All students are advised to prepare well and write the Test properly to score more than 70% in each subject.
- All students are advised to write legibly using good quality ball point pen (Blue and Black colors are only permitted)

20/7/23
Controller of Examinations

20/7/23
Vice-Principal

20.7.23
Principal

1. Copy to all Faculty members through respective HOD for information and record through email.
2. To be read in all II Semester classes.
3. To be displayed in notice boards (Academic block and Hostels).
4. File.

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EXAMINATION CONTROL OFFICE

Academic Year 2022-2023

TIME TABLE FOR INTERNAL ASSESSMENT TEST - II (R-2021)

RIT/ECO/2022-2023 (Even)/24 17.07.2023

The Internal Assessment Test - II for all **Second Semester** B.E./B.Tech. Programmes will be conducted as per the following Schedule.

Test Timings: 1.00 p.m. to 4.00 p.m. **Semester: II**

DATE/ BRANCH	CIVIL	CSE	EEE	ECE	MECH.	AD	CSBS	IT
31.07.2023	HS3252 – Professional English II							
01.08.2023	MA3251 – Statistics and Numerical Methods							
02.08.2023	PH3201 – Physics for Civil Engineering	PH3256 – Physics for Information Science	PH3202 – Physics for Electrical Engineering	PH3254 – Physics for Electronics Engineering	PH3251 – Material Science	PH3256 – Physics for Information Science		
03.08.2023	BE3252 – Basic Electrical, Electronics and Instrumentation Engineering	BE3251 – Basic Electrical and Electronics Engineering	BE3255 – Basic Civil and Mechanical Engineering	BE3254 –Electrical and Instrumentation Engineering	BE3251 – Basic Electrical and Electronics Engineering			
04.08.2023	GE3251 – Engineering Graphics							
05.08.2023	-	CS3251 – Programming in C	EE3251 – Electric Circuit Analysis	EC3251 – Circuit Analysis	-	AD3251 – Data Structures Design		CS3251 – Programming in C

- Attendance is compulsory.
- Internal Assessment Test - II will be conducted for a duration of 3 hours with a Maximum of 100 Marks.
- **Portion for Internal Assessment Test - II will be 50% of Unit –III and full syllabus of Unit-IV and Unit-V in the respective courses.**
- All students are advised to prepare well and write the Test properly to score more than 70% in each subject.
- All students are advised to write legibly using good quality ball point pen (Blue and Black colors are only permitted)

17/7/23 17/7/23 17/7/23

Controller of Examinations **Vice-Principal** **Principal**

1. Copy circulated to all Faculty members through respective HOD for information and record.
2. To be read in all II semester classes.
3. To be displayed in all Notice Boards - College and Hostels.
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EXAMINATION CONTROL OFFICE

Academic Year 2022-2023

TIME TABLE FOR INTERNAL ASSESSMENT TEST - I (R-2021)

RIT/ECO/2022-2023 (Even)/21 10.06.2023

The Internal Assessment Test - I for all **Second Semester** B.E./B.Tech. Programmes will be conducted as per the following Schedule.

Test Timings: 1.45 p.m. to 4.45 p.m. **Semester: II**

DATE/ BRANCH	CIVIL	CSE	EEE	ECE	MECH.	AD	CSBS	IT
19.06.2023	HS3252 – Professional English II							
20.06.2023	MA3251 – Statistics and Numerical Methods							
21.06.2023	PH3201 – Physics for Civil Engineering	PH3256 – Physics for Information Science	PH3202 – Physics for Electrical Engineering	PH3254 – Physics for Electronics Engineering	PH3251 – Material Science	PH3256 – Physics for Information Science		
22.06.2023	BE3252 – Basic Electrical, Electronics and Instrumentation Engineering	BE3251 – Basic Electrical and Electronics Engineering	BE3255 – Basic Civil and Mechanical Engineering	BE3254 –Electrical and Instrumentation Engineering	BE3251 – Basic Electrical and Electronics Engineering			
23.06.2023	GE3251 – Engineering Graphics							
24.06.2023	-	CS3251 – Programming in C	EE3251 – Electric Circuit Analysis	EC3251 – Circuit Analysis	-	AD3251 – Data Structures Design		CS3251 – Programming in C

- Attendance is compulsory.
- Internal Assessment Test - I will be conducted for duration of 3 hours with a Maximum of 100 Marks.
- **Portion for Internal Assessment Test - I will be from full syllabus of Unit-I, Unit-II and 50% of Unit -III in the respective courses.**
- All students are advised to prepare well and write the Test properly to score more than 70% in each subject.
- All students are advised to write legibly using good quality ball point pen (Blue and Black colors are only permitted)

10/06/23 10/6/23 10/6/23

Controller of Examinations **Vice-Principal** **Principal**

1. Copy circulated to all Faculty members through respective HOD for information and record.
2. To be read in all second semester classes.
3. To be displayed in all Notice Boards - College and Hostels.
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EXAMINATION CONTROL OFFICE

Academic Year 2022-23

TIME TABLE FOR INTERNAL ASSESSMENT TEST - III (R 2017)

ADVANCEMENT COURSE

RIT/ECO/2022-2023 (Even)/18 13.05.2023

The Internal Assessment Test-III for Advancement courses will be conducted as per the following Schedule.:

Semester: VI

DATE/ BRANCH	Timing	CSE	EEE	ECE	MECH.
20.05.2023 Saturday	1.45 p.m.to 4.45 p.m.		EE8019 – Smart Grid	-	-
22.05.2023 Monday	9.30 a.m.to 12.30 p.m.	GE8076 - Professionals Ethics in Engineering	-	GE8076 - Professionals Ethics in Engineering	MG8591 – Principles of Management

- Attendance is compulsory.
- Internal Assessment Test will be conducted for duration of 180 Minutes with a Maximum of 100 Marks.
- **Portion for Internal Assessment Test-III will be full syllabus of Unit-IV and Unit-V in the respective courses.**
- All students are advised to prepare well and write the Test properly to score more than 70% in each Course.

13/5/23
Controller of Examinations

13/5/23
Vice-Principal

13.5.23
Principal

1. Copy circulated to all Faculty members through respective HOD for information and record.
2. To be read in all VI Semester classes.
3. To be displayed in all Notice Boards - College and Hostels.
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EXAMINATION CONTROL OFFICE

Academic Year 2022-23

TIME TABLE FOR INTERNAL ASSESSMENT TEST - II (R 2017)

ADVANCEMENT COURSE

RIT/ECO/2022-2023 (Even)/17 13.05.2023

The Internal Assessment Test-II for Advancement courses will be conducted as per the following Schedule.:

Semester: VI

DATE/ BRANCH	Timing	CSE	EEE	ECE	MECH.
19.05.2023 Friday	9.00 a.m. to 10.40 a.m.		EE8019 – Smart Grid	-	-
20.05.2023 Saturday	3.15 p.m. to 4.45 p.m.	GE8076 - Professionals Ethics in Engineering	-	GE8076 - Professionals Ethics in Engineering	MG8591 – Principles of Management

- Attendance is compulsory.
- Internal Assessment Test will be conducted for duration of 90 Minutes with a Maximum of 50 Marks.
- **Portion for Internal Assessment Test-II will be from 50% of Unit-II and full syllabus of Unit - III in the respective courses.**
- All students are advised to prepare well and write the Test properly to score more than 70% in each Course.

13/5/23

Controller of Examinations **Vice-Principal** **Principal**

1. Copy circulated to all Faculty members through respective HOD for information and record.
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EXAMINATION CONTROL OFFICE

Academic Year 2022-23

TIME TABLE FOR INTERNAL ASSESSMENT TEST - I (R 2017)

ADVANCEMENT COURSE

RIT/ECO/2022-2023 (Even)/16 11.05.2023

The Internal Assessment Test-I for Advancement courses will be conducted as per the following Schedule.:

Test Timings: 9.00 a.m. to 10.40 a.m. **Semester: VI**

DATE/ BRANCH	CSE	EEE	ECE	MECH.
12.05.2023 Friday	-	EE8019 – Smart Grid	-	-
20.05.2023 Saturday	GE8076 - Professionals Ethics in Engineering	-	GE8076 - Professionals Ethics in Engineering	MG8591 – Principles of Management

- Attendance is compulsory.
- Internal Assessment Test will be conducted for duration of 90 Minutes with a Maximum of 50 Marks.
- **Portion for Internal Assessment Test-I will be from full syllabus of Unit-I and 50% of Unit-II in the respective courses.**
- All students are advised to prepare well and write the Test properly to score more than 70% in each subject.

11/5/23

Controller of Examinations **Vice-Principal** **Principal**

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EXAMINATION CONTROL OFFICE

Academic Year 2022-23 (Even Semester)

TIME TABLE FOR INTERNAL ASSESSMENT TEST – III (R-2017)

RIT/ECO/2022-2023 (Even)/11 27.04.2023

The Internal Assessment Test-III **(R-2017)** for all the branches of **Sixth and Eighth Semesters** B.E. Programmes will be conducted as per the following Schedule.

Test Timings: 1.00 p.m. to 4.00 p.m. **Semester: VI**

DATE/ BRANCH	CIVIL	CSE	EEE	ECE	MECH.
10.05.2023 Wednesday	CE8601- Design of Steel Structural Elements	CS8651 - Internet programming	EE8601 -Solid State Drives	EC8691 - Microprocessors and Microcontrollers	ME8651- Design of Transmission Systems
11.05.2023 Thursday	CE8602 - Structural Analysis II	CS8691 - Artificial Intelligence	EE8691 - Embedded Systems	MG8591 - Principles of Management	ME8691 - Computer Aided Design and Manufacturing
15.05.2023 Monday	-	CS8603 - Distributed Systems	EE8602 - Protection and Switchgear	EC8651 - Transmission Lines and RF Systems	ME8692- Finite Element Analysis
16.05.2023 Tuesday	CE8604- Highway Engineering	CS8602 - Compiler Design	-	EC8652 - Wireless Communications	ME8693 -Heat and Mass Transfer
17.05.2023 Wednesday	CE8603 - Irrigation Engineering	CS8601 - Mobile Computing	GE8075 - Intellectual Property Rights	EC8095 - VLSI Design	ME8694 - Hydraulics and Pneumatics
18.05.2023 Thursday	EN8592 - Wastewater Engineering	CS8611 – Mini Project Review	EE8611 – Mini Project Review	-	ME8682 – Design and Fabrication Project Review

Test Timings:1.00 p.m. to 4.00 p.m. **Semester: VIII**

DATE/ BRANCH	CIVIL	CSE	EEE	ECE	MECH.
08.05.2023 Monday	CE8020 - Maintenance, Repair and Rehabilitation of Structures	GE8073- Fundamentals of Nano Science	MG8591 - Principles of Management	EC8094 - Satellite Communication	MG8591- Principles of Management
09.05.2023 Tuesday	GE8076 - Professional Ethics in Engineering	GE8076 - Professional Ethics in Engineering	EE8019- Smart Grid	GE8076 - Professional Ethics in Engineering	GE8076 - Professional Ethics in Engineering IE8693- Production Planning and Control
10.05.2023	Project Review				
11.05.2023	Project Review				

- Attendance is compulsory.
- Internal Assessment Test will be conducted for duration of 3 hours with a Maximum of 100 Marks.
- **Portion for Internal Assessment Test-III will be from full syllabus of Unit-IV and Unit-V in the respective Courses**
- All students are advised to prepare well and write the Test properly to score more than 70% in each Course.
- All students are advised to write legibly using good quality ball point pen (Blue and Black colors are only permitted)

27/4/23 27/4/23 27/4/23

Controller of Examinations **Vice-Principal** **Principal**

1. Copy circulated to all Faculty members through respective HOD for information and record.
2. To be read in all VI and VIII Semester classes.
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EXAMINATION CONTROL OFFICE
Academic Year 2022-2023
TIME TABLE FOR INTERNAL ASSESSMENT TEST - II (R-2021)

RIT/ECO/2022-2023 (Even)/10 27.04.2023

The Internal Assessment Test – II (R-2021) for all the branches of **Fourth Semester** B.E./B.Tech. Programmes will be conducted as per the following Schedule:

Test Timings: 1.00 p.m. to 4.00 p.m. **Semester: IV**

DATE/ BRANCH	CIVIL	CSE	EEE	ECE	MECH.	AD
10.05.2023 Wednesday	CE3401- Applied Hydraulic Engineering	CS3452 - Theory of Computation	EE3401 - Transmission and Distribution	EC3452 - Electromagnetic Fields	ME3493 - Manufacturing Technology	AL3451- Machine Learning
11.05.2023 Thursday	CE3402 - Strength of Materials	CS3491 - Artificial Intelligence and Machine Learning	EE3402 - Linear Integrated Circuits	EC3401 - Networks and Security	ME3492- Hydraulics and Pneumatics	AD3491- Fundamentals of Data Science and Analytics
15.05.2023 Monday	CE3403 - Concrete Technology	CS3492 - Database Management Systems	EE3403- Measurements and Instrumentation	EC3451 - Linear Integrated Circuits	ME3451- Thermal Engineering	CS3591- Computer Networks
16.05.2023 Tuesday	CE3404- Soil Mechanics	CS3401- Algorithms	EE3404 - Microprocessor and Microcontroller	EC3492 - Digital Signal Processing	CE3491- Strength of Materials	AL3452 – Operating Systems
17.05.2023 Wednesday	CE3405 - Highway and Railway Engineering	CS3451 - Introduction to Operating Systems	EE3405 - Electrical Machines - II	EC3491 - Communication Systems	ME3491 - Theory of Machines	MA3391- Probability & Statistics
18.05.2023 Thursday	GE3451 - Environmental Sciences and Sustainability					

- Attendance is compulsory.
- Internal Assessment Test - II will be conducted for duration of 3 hours with a Maximum of 100 Marks.
- **Portion for Internal Assessment Test - II will be from 50% of Unit - III and full syllabus of Unit-IV and Unit-V in the respective courses.**
- All students are advised to prepare well and write the Test properly to score more than 70% in each Course.
- All students are advised to write legibly using good quality ball point pen (Blue and Black colors are only permitted)

27/4/23 27/4/23 27/4/23

Controller of Examinations **Vice-Principal** **Principal**

1. Copy circulated to all Faculty members through respective HOD for information and record.
2. To be read in all Fourth semester classes.
3. To be displayed in all Notice Boards - College and Hostels.
4. File.

EXAMINATION CONTROL OFFICE
Academic Year 2022-23 (Even Semester)
TIME TABLE FOR INTERNAL ASSESSMENT TEST – II (R-2017)

RIT/ECO/2022-2023 (Even)/09 18.04.2023

Due to TCS Placement training, the Internal Assessment Test II (R-2017) for VI Semester B.E Programmes is revised as follows:

DATE/ BRANCH	TEST TIMINGS	CIVIL	CSE	EEE	ECE	MECH.
18.04.2023 Tuesday	3.20 p.m.to 4.50 p.m	CE8603 - Irrigation Engineering	-	-	-	-
19.04.2023 Wednesday	3.20 p.m.to 4.50 p.m	EN8592 - Wastewater Engineering	-	-	-	-
20.04.2023 Thursday	9.00 a.m. to 10.30 a.m.	-	CS8601 - Mobile Computing	GE8075 - Intellectual Property Rights	EC8095 - VLSI Design	ME8694 - Hydraulics and Pneumatics

18/4/23 **Controller of Examinations** 18/4/23 **Vice-Principal** 18/4/23 **Principal**

1. Copy circulated to all Faculty members through respective HOD for information and record.
2. To be read in all VI Semester classes.
3. To be displayed in all Notice Boards - College and Hostels.
4. File.

EXAMINATION CONTROL OFFICE
Academic Year 2022-23 (Even Semester)
TIME TABLE FOR INTERNAL ASSESSMENT TEST – II (R-2017) - Revised

RIT/ECO/2022-2023 (Even)/07 10.04.2023

Respected Sir/Madam,

Owing to the conduct of Anna University Theory Examination for all I Semester B.E./B.Tech. students,the timing of Internal Assessment Test II (R- 2017) for all III Year and IV Year is revised.

Test Timings: 03.20 p.m. to 04.50 p.m. **Semester: VI**

DATE/ BRANCH	CIVIL	CSE	EEE	ECE	MECH.
11.04.2023 Tuesday	CE8601- Design of Steel Structural Elements	CS8651 - Internet programming	-	EC8691 - Microprocessors and Microcontrollers	ME8651- Design of Transmission Systems
12.04.2023 Wednesday	CE8602 - Structural Analysis II	CS8691 - Artificial Intelligence	EE8601 -Solid State Drives	MG8591 - Principles of Management	ME8691 - Computer Aided Design and Manufacturing
13.04.2023 Thursday	CE8604- Highway Engineering	CS8603 - Distributed Systems	EE8691 - Embedded Systems	EC8651 - Transmission Lines and RF Systems	ME8692- Finite Element Analysis
17.04.2023 Monday	-	CS8602 - Compiler Design	EE8602 - Protection and Switchgear	EC8652 - Wireless Communications	ME8693 -Heat and Mass Transfer
18.04.2023 Tuesday	CE8603 - Irrigation Engineering	CS8601 - Mobile Computing	-	EC8095 - VLSI Design	ME8694 - Hydraulics and Pneumatics
19.04.2023 Wednesday	EN8592 - Wastewater Engineering	-	GE8075 - Intellectual Property Rights	-	-

Test Timings: 03.20 p.m. to 04.50 p.m. **Semester: VIII**

DATE/ BRANCH	CIVIL	CSE	EEE	ECE	MECH.
18.04.2023 Tuesday	CE8020 - Maintenance, Repair and Rehabilitation of Structures	GE8073- Fundamentals of Nano Science	MG8591 - Principles of Management	EC8094 - Satellite Communication	MG8591- Principles of Management
19.04.2023 Wednesday	GE8076 - Professional Ethics in Engineering	GE8076 - Professional Ethics in Engineering	EE8019- Smart Grid	GE8076 - Professional Ethics in Engineering	GE8076 - Professional Ethics in Engineering IE8693- Production Planning and Control

- Attendance is compulsory.
- Internal Assessment Test will be conducted for duration of 90 Minutes with a Maximum of 50 Marks.
- **Portion for Internal Assessment Test-II will be from 50% of Unit-II and Unit-III in the respective Courses**
- All students are advised to prepare well and write the Test properly to score more than 70% in each Course.
- All students are advised to write legibly using good quality ball point pen (Blue and Black colors are only permitted)

Controller of Examinations **Vice-Principal** **Principal**

1. Copy circulated to all Faculty members through respective HOD for information and record.
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EXAMINATION CONTROL OFFICE
Academic Year 2022-23 (Even Semester)
TIME TABLE FOR INTERNAL ASSESSMENT TEST – II (R-2017)

RIT/ECO/2022-2023 (Even)/06 05.04.2023

The Internal Assessment Test-II **(R-2017)** for all the branches of **Sixth and Eighth Semesters** B.E. Programmes will be conducted as per the following Schedule.

Test Timings: 9.00 a.m. to 10.40 a.m. **Semester: VI**

DATE/ BRANCH	CIVIL	CSE	EEE	ECE	MECH.
11.04.2023 Tuesday	CE8601- Design of Steel Structural Elements	CS8651 - Internet programming	-	EC8691 - Microprocessors and Microcontrollers	ME8651- Design of Transmission Systems
12.04.2023 Wednesday	CE8602 - Structural Analysis II	CS8691 - Artificial Intelligence	EE8601 -Solid State Drives	MG8591 - Principles of Management	ME8691 - Computer Aided Design and Manufacturing
13.04.2023 Thursday	CE8604- Highway Engineering	CS8603 - Distributed Systems	EE8691 - Embedded Systems	EC8651 - Transmission Lines and RF Systems	ME8692- Finite Element Analysis
17.04.2023 Monday	-	CS8602 - Compiler Design	EE8602 - Protection and Switchgear	EC8652 - Wireless Communications	ME8693 -Heat and Mass Transfer
18.04.2023 Tuesday	CE8603 - Irrigation Engineering	CS8601 - Mobile Computing	-	EC8095 - VLSI Design	ME8694 - Hydraulics and Pneumatics
19.04.2023 Wednesday	EN8592 - Wastewater Engineering	-	GE8075 - Intellectual Property Rights	-	-

Test Timings: 9.00 a.m. to 10.40 a.m. **Semester: VIII**

DATE/ BRANCH	CIVIL	CSE	EEE	ECE	MECH.
18.04.2023 Tuesday	CE8020 - Maintenance, Repair and Rehabilitation of Structures	GE8073- Fundamentals of Nano Science	MG8591 - Principles of Management	EC8094 - Satellite Communication	MG8591- Principles of Management
19.04.2023 Wednesday	GE8076 - Professional Ethics in Engineering	GE8076 - Professional Ethics in Engineering	EE8019- Smart Grid	GE8076 - Professional Ethics in Engineering	GE8076 - Professional Ethics in Engineering IE8693- Production Planning and Control

- Attendance is compulsory.
- Internal Assessment Test will be conducted for duration of 90 Minutes with a Maximum of 50 Marks.
- **Portion for Internal Assessment Test-II will be from 50% of Unit-II and Unit-III in the respective Courses**
- All students are advised to prepare well and write the Test properly to score more than 70% in each Course.
- All students are advised to write legibly using good quality ball point pen (Blue and Black colors are only permitted)

5/4/23 **Controller of Examinations** 7/4/23 **Vice-Principal** 7/4/23 **Principal**

1. Copy circulated to all Faculty members through respective HOD for information and record.
2. To be read in all VI and VIII Semester classes.
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RAMCO INSTITUTE OF TECHNOLOGY

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EXAMINATION CONTROL OFFICE
Academic Year 2022-2023
TIME TABLE FOR INTERNAL ASSESSMENT TEST - I (R-2021)

RIT/ECO/2022-2023 (Even)/05 17.03.2023

The Internal Assessment Test – I (R-2021) for all the branches of **Fourth Semester** B.E./B.Tech. Programmes will be conducted as per the following Schedule:

Test Timings: 1.00 p.m. to 4.00 p.m. **Semester: IV**

DATE/ BRANCH	CIVIL	CSE	EEE	ECE	MECH.	AD
23.03.2023	CE3401- Applied Hydraulic Engineering	CS3452 - Theory of Computation	EE3401 - Transmission and Distribution	EC3452 - Electromagnetic Fields	ME3493 - Manufacturing Technology	AL3451- Machine Learning
25.03.2023	CE3402 - Strength of Materials	CS3491 - Artificial Intelligence and Machine Learning	EE3402 - Linear Integrated Circuits	EC3401 - Networks and Security	ME3492- Hydraulics and Pneumatics	AD3491- Fundamentals of Data Science and Analytics
27.03.2023	CE3403 - Concrete Technology	CS3492 - Database Management Systems	EE3403- Measurements and Instrumentation	EC3451 - Linear Integrated Circuits	ME3451- Thermal Engineering	CS3591- Computer Networks
28.03.2023	CE3404- Soil Mechanics	CS3401- Algorithms	EE3404 - Microprocessor and Microcontroller	EC3492 - Digital Signal Processing	CE3491- Strength of Materials	AL3452 – Operating Systems
29.03.2023	CE3405 - Highway and Railway Engineering	CS3451 - Introduction to Operating Systems	EE3405 - Electrical Machines - II	EC3491 - Communication Systems	ME3491 - Theory of Machines	MA3391- Probability & Statistics
30.03.2023	GE3451 -Environmental Sciences and Sustainability					

- Attendance is compulsory.
- Internal Assessment Test - I will be conducted for duration of 3 hours with a Maximum of 100 Marks.
- **Portion for Internal Assessment Test - I will be from full syllabus of Unit-I, Unit-II and 50% of Unit -III in the respective courses.**
- All students are advised to prepare well and write the Test properly to score more than 70% in each Course.
- All students are advised to write legibly using good quality ball point pen (Blue and Black colors are only permitted)

17/3/23 17/3/23 17/3/23

Controller of Examinations **Vice-Principal** **Principal**

1. Copy circulated to all Faculty members through respective HOD for information and record.
2. To be read in all Fourth semester classes.
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EXAMINATION CONTROL OFFICE
Academic Year 2022-2023
TIME TABLE FOR INTERNAL ASSESSMENT TEST - I (R-2021)

RIT/ECO/2022-2023 (Even)/03 — 17.03.2023

The Internal Assessment Test – I (R-2021) for all the branches of **Fourth Semester** B.E./B.Tech. Programmes will be conducted as per the following Schedule:

Test Timings: 1.00 p.m. to 4.00 p.m. **Semester: IV**

DATE/ BRANCH	CIVIL	CSE	EEE	ECE	MECH.	AD
23.03.2023	CE3401- Applied Hydraulic Engineering	CS3452 - Theory of Computation	EE3401 - Transmission and Distribution	EC3452 - Electromagnetic Fields	ME3493 - Manufacturing Technology	AL3451- Machine Learning
25.03.2023	CE3402 - Strength of Materials	CS3491 - Artificial Intelligence and Machine Learning	EE3402 - Linear Integrated Circuits	EC3401 - Networks and Security	ME3492- Hydraulics and Pneumatics	AD3491- Fundamentals of Data Science and Analytics
27.03.2023	CE3403 - Concrete Technology	CS3492 - Database Management Systems	EE3403- Measurements and Instrumentation	EC3451 - Linear Integrated Circuits	ME3451- Thermal Engineering	CS3591- Computer Networks
28.03.2023	CE3404- Soil Mechanics	CS3401- Algorithms	EE3404 - Microprocessor and Microcontroller	EC3492 - Digital Signal Processing	CE3491- Strength of Materials	AL3452 – Operating Systems
29.03.2023	CE3405 - Highway and Railway Engineering	CS3451 - Introduction to Operating Systems	EE3405 - Electrical Machines - II	EC3491 - Communication Systems	ME3491 - Theory of Machines	MA3391- Probability & Statistics
30.03.2023	GE3451 -Environmental Sciences and Sustainability					

- Attendance is compulsory.
- Internal Assessment Test - I will be conducted for duration of 3 hours with a Maximum of 100 Marks.
- **Portion for Internal Assessment Test - I will be from full syllabus of Unit-I, Unit-II and 50% of Unit -III in the respective courses.**
- All students are advised to prepare well and write the Test properly to score more than 70% in each Course.
- All students are advised to write legibly using good quality ball point pen (Blue and Black colors are only permitted)

17/3/23 — **Controller of Examinations**

17/3/23 — **Vice-Principal**

17/3/23 — **Principal**

1. Copy circulated to all Faculty members through respective HOD for information and record.
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EXAMINATION CONTROL OFFICE
Academic Year 2022-23 (Even Semester)
TIME TABLE FOR INTERNAL ASSESSMENT TEST – I (R-2017) - Revised

RIT/ECO/2022-2023 (Even)/02 14.03.2023

Ref : Email received from Ingage Training Partner on 10.03.2023

Due to the change of schedule in Naan Mudhalvan Course titled, "Architecture and Visualization" the Internal Assessment Test-I (R-2017) is revised for Sixth Semester B.E. Civil. The revised schedule is given below:

Test Timings: 9.00 a.m. to 10.40 a.m. **Semester: VI**

DATE/ BRANCH	CIVIL
16.03.2023 Thursday	CE8601- Design of Steel Structural Elements
17.03.2023 Friday	CE8602 -Structural Analysis II
18.03.2023 Saturday	CE8604- Highway Engineering
20.03.2023 Monday	-
21.03.2023 Tuesday	CE8603 -Irrigation Engineering
23.03.2023 Thursday	EN8592 - Wastewater Engineering

14/03/2023
Controller of Examinations

14/3/23
Vice-Principal

We 3 23
Principal

Copy to :
1. Copy circulated to all HoD/Civil and Civil Department faculty members .
2. To be read in all VI Semester Civil class.
3. To be displayed in all Notice Boards - College and Hostels.
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EXAMINATION CONTROL OFFICE
Academic Year 2022-23 (Even Semester)
TIME TABLE FOR INTERNAL ASSESSMENT TEST – I (R-2017)

RIT/ECO/2022-2023 (Even)/01 10.03.2023

The Internal Assessment Test-I **(R-2017)** for all the branches of **Sixth and Eighth Semesters** B.E. Programmes will be conducted as per the following Schedule.

Test Timings: 9.00 a.m. to 10.40 a.m. **Semester: VI**

DATE/ BRANCH	CIVIL	CSE	EEE	ECE	MECH.
16.03.2023 Thursday	CE8601- Design of Steel Structural Elements	CS8651 - Internet programming	EE8601 -Solid State Drives	EC8691 - Microprocessors and Microcontrollers	ME8651- Design of Transmission Systems
17.03.2023 Friday	-	-	EE8691 - Embedded Systems	-	-
18.03.2023 Saturday	CE8602 - Structural Analysis II	CS8691 - Artificial Intelligence	EE8602 - Protection and Switchgear	MG8591 - Principles of Management	ME8691 - Computer Aided Design and Manufacturing
20.03.2023 Monday	CE8604- Highway Engineering	CS8603 - Distributed Systems	GE8075 - Intellectual Property Rights	EC8651 - Transmission Lines and RF Systems	ME8692- Finite Element Analysis
21.03.2023 Tuesday	CE8603 - Irrigation Engineering	CS8602 - Compiler Design	-	EC8652 -Wireless Communications	ME8693 -Heat and Mass Transfer
23.03.2023 Thursday	EN8592 - Wastewater Engineering	CS8601 - Mobile Computing	-	EC8095 - VLSI Design	ME8694 - Hydraulics and Pneumatics

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Test Timings: 9.00 a.m. to 10.40 a.m. **Semester: VIII**

DATE/ BRANCH	CIVIL	CSE	EEE	ECE	MECH.
20.03.2023 Monday	CE8020 - Maintenance, Repair and Rehabilitation of Structures	GE8073- Fundamentals of Nano Science	MG8591 - Principles of Management	EC8094 -Satellite Communication	MG8591- Principles of Management
21.03.2023 Tuesday	GE8076 - Professional Ethics in Engineering	GE8076 - Professional Ethics in Engineering	EE8019- Smart Grid	GE8076 - Professional Ethics in Engineering	GE8076 - Professional Ethics in Engineering IE8693- Production Planning and Control

- Attendance is compulsory.
- Internal Assessment Test will be conducted for duration of 90 Minutes with a Maximum of 50 Marks.
- **Portion for Internal Assessment Test-I will be from Unit-I and 50% of Unit-II in the respective Courses**
- All students are advised to prepare well and write the Test properly to score more than 70% in each Course.
- All students are advised to write legibly using good quality ball point pen (Blue and Black colors are only permitted)

10/03/2023
Controller of Examinations

20/3/23
Vice-Principal

20.3.23
Principal

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RAMCO INSTITUTE OF TECHNOLOGY
EXAMINATION CONTROL OFFICE
ACADEMIC YEAR 2022-2023 (ODD SEMESTER)
HALL ARRANGEMENT FOR INTERNAL ASSESSMENT TEST - III (R-2017)

Date of Test: **14.11.2022** **15.11.2022** **16.11.2022**
17.11.2022 **18.11.2022** **19.11.2022**

Sl. No.	Hall No. (Classroom)	Semester and Branch	Register Number of Candidates	Total No. of Candidates
1	A3L01	V Semester CSE	953620104001, 3, 4, 7, 8, 11, 12, 13, 15, 16, 17, 19, 21, 23, 26, 27, 29, 30, 31, 33, 37, 41, 44, 45, 46, 49, 50, 51, 56, 59	61
		V Semester ECE 'A'	953620106008, 9, 10, 11, 15, 16, 18, 20, 21, 23, 24, 25, 26, 27, 28, 29, 31, 32, 33, 34, 35, 37, 38, 40, 41, 43, 44, 303 – 306	
2	B3L02	V Semester Civil	953620103002 – 7, 10, 301 – 305	32
		V Semester EEE 'A'	953620105001, 2, 3, 6, 8, 10,11,12,13, 301 – 303	
		VII Semester ECE 'A'	953619106006, 7, 9, 10, 18	
		VII Semester Mech. 'B'	953619114003, 6, 7	
3	B3L03	V Semester EEE 'B'	953620105014 – 18, 20 – 22	37
		VII Semester EEE	953619105002, 3, 4, 5, 6, 7, 8, 10, 11, 12, 13, 14, 15, 16	
		V Semester Mech. 'A'	953620114001, 2, 3, 8,9, 12 13, 14, 15, 18, 19, 20, 23, 25, 28	
4	B3L04	V Semester Civil	953620103307 – 312	36
		VII Semester Civil	953619103001, 2, 3, 4, 6, 7, 9, 10, 11,13, 301 – 304	
		V Semester Mech. 'A'	953620114030, 31	
		V Semester ECE 'B'	953620106046, 49, 50, 52, 53, 54, 55, 56, 60, 63, 65, 66, 67, 69	
5	B3R02	V Semester EEE 'A'	953620105304 – 318	38
		VII Semester EEE	953619105019, 20, 21, 22, 24, 25, 26, 301 – 308	
		V Semester Mech. 'B'	953620114004, 5, 6, 7, 10, 11, 16, 17	

RAMCO INSTITUTE OF TECHNOLOGY
EXAMINATION CONTROL OFFICE
ACADEMIC YEAR 2022-2023 (ODD SEMESTER)
HALL ARRANGEMENT FOR INTERNAL ASSESSMENT TEST - III (R-2017)

Date of Test: 14.11.2022 15.11.2022 16.11.2022
17.11.2022 18.11.2022 19.11.2022

Sl. No.	Hall No. (Classroom)	Semester and Branch	Register Number of Candidates	Total No. of Candidates
6	B3R03	V Semester EEE 'B'	953620105024, 25 , 319 – 331	38
		V Semester Mech. 'B'	953620114021, 22, 24, 26, 27, 29, 32, 34	
		VII Semester ECE 'B'	953619106041, 43, 45, 47, 48, 49, 50, 52,55, 56, 58,62,63, 65, 70	
7	B3R05	V Semester ECE 'B'	953620106070, 77, 78, 82, 85, 87, 89, 90, 91, 92, 301, 308, 309	33
		VII Semester ECE 'A'	953619106019, 21, 22, 23, 30, 31, 32, 33, 37, 38, 39, 302	
		VII Semester Mech. 'B'	953619114009, 10, 12, 15,16, 23, 24, 25	
8	C2L01	V Semester Mech. 'A'	953620114033, 40, 305, 306, 308, 309, 310, 311, 316, 317, 318, 320, 325	33
		VII Semester CSE	953619104001, 4, 5, 6, 8, 11, 13, 14	
		VII Semester Mech. 'A'	953619114001, 2, 4, 5, 8, 11, 13, 14,17, 19, 20, 21	
9	C2L02	V Semester CSE	953620104301 – 306	34
		V Semester EEE 'B'	953620105332 – 334	
		V Semester Mech. 'B'	953620114035, 37, 38, 39, 301, 302, 303, 304, 307, 312, 313, 314, 315	
		VII Semester Mech. 'B'	953619114026, 29, 30, 31, 32, 34, 35, 40, 41, 301, 303, 305	
10	C2L03	V Semester Mech. 'A'	953620114328, 329, 331, 332, 333, 335, 336, 337, 340, 341, 342, 344	31
		VII Semester CSE	953619104016, 20, 22, 23, 24, 26, 28	
		VII Semester Mech. 'A'	953619114022, 27, 28, 33, 36,37, 38, 39, 302, 304, 306, 307	

RAMCO INSTITUTE OF TECHNOLOGY
EXAMINATION CONTROL OFFICE
ACADEMIC YEAR 2022-2023 (ODD SEMESTER)
HALL ARRANGEMENT FOR INTERNAL ASSESSMENT TEST - III (R-2017)

Date of Test: 14.11.2022 15.11.2022 16.11.2022
17.11.2022 18.11.2022 19.11.2022

Sl. No.	Hall No. (Classroom)	Semester and Branch	Register Number of Candidates	Total No. of Candidates
11	C2R05	V Semester CSE	953620104002, 5, 6, 9, 10, 14, 18, 22, 24, 25, 28, 32, 34, 35, 36, 38	39
		VII Semester CSE	953619104002, 3, 7, 9, 10, 12, 15, 17, 18, 19, 21, 25, 27, 30, 33, 34	
		VII Semester ECE 'B'	953619106042, 44, 46, 51, 53, 54, 57	
12	C2R06	V Semester CSE	953620104039, 40, 42, 43, 47, 48, 52, 53, 54, 55, 57, 58, 60, 953620104701	34
		V Semester ECE 'A'	953620106001 – 5	
		VII Semester ECE 'A'	953619106001 – 5, 8, 11 – 17, 20,24	
13	C3L02	V Semester Mech. 'B'	953620114319, 321, 322, 323, 324, 326, 327, 330, 334, 338, 339, 343, 345	35
		VII Semester CSE	953619104029, 31, 32, 36,39, 40, 44, 45, 49, 50, 51, 53, 301, 302	
		V Semester ECE 'B'	953620106310, 311	
		VII Semester ECE 'B'	953619106072, 76, 77, 78, 301, 303	
14	C3R03	V Semester Civil	953620103001, 8, 9	31
		VII Semester CSE	953619104035, 37, 38, 41, 42, 43, 46, 47, 48, 52, 54, 55	
		V Semester EEE 'B'	953620105019, 23, 26	
		V Semester ECE 'A'	953620106006, 7, 12, 13, 14, 17, 19, 22, 30, 36, 39, 42, 45	
15	C3R04	VII Semester Civil	953619103005, 8, 12	29
		V Semester ECE 'B'	953620106047, 48, 51, 58, 59, 61, 62, 64, 68, 71, 72, 73, 74	
		VII Semester ECE 'B'	953619106059, 61, 64, 66, 67, 68, 69, 71, 73, 74,75,79, 80	

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RAMCO INSTITUTE OF TECHNOLOGY
EXAMINATION CONTROL OFFICE
ACADEMIC YEAR 2022-2023 (ODD SEMESTER)
HALL ARRANGEMENT FOR INTERNAL ASSESSMENT TEST - III (R-2017)

Date of Test: **14.11.2022** **15.11.2022** **16.11.2022**
17.11.2022 **18.11.2022** **19.11.2022**

Sl. No.	Hall No. (Classroom)	Semester and Branch	Register Number of Candidates	Total No. of Candidates
16	C3R05	V Semester EEE 'A'	953620105004, 5, 7, 9	26
		VII Semester EEE	953619105001, 9, 18, 23	
		V Semester ECE 'B'	953620106075, 76, 79, 80, 81, 83, 84, 86, 88	
		VII Semester ECE 'A'	953619106025 – 29 , 34, 35, 36, 40,	

11/11/2022
Controller of Examinations

Vice-Principal

Principal

RAMCO INSTITUTE OF TECHNOLOGY
EXAMINATION CONTROL OFFICE
ACADEMIC YEAR 2022-2023 (ODD SEMESTER)
HALL ARRANGEMENT FOR INTERNAL ASSESSMENT TEST – I (R-2021)
(II YEAR)

Date of Test: 10.10.2022 11.10.2022 12.10.2022
13.10.2022 14.10.2022 15.10.2022

Sl. No.	Hall No. (Classroom)	Semester and Branch	Register Number of Candidates	Total No. of Candidates
1	A3L01	III Semester EEE	953621105049 – 60, 22LE105001 – 4	55
		III Semester ECE A	953621106046 – 60, 22LE106001, 3, 5, 6	
		III Semester ECE B	953621106105 – 120, 22LE106002, 4, 7, 8	
2	B1L02	III Semester Civil	953621103001 – 30	30
3	B3L03	III Semester Civil	953621103031 – 41, 43, 44, 22LE103001 - 3	29
		III Semester ECE B	953621106092 – 104	
4	B3L04	III Semester EEE	953621105034 – 48	29
		III Semester ECE A	953621106032 – 45	
5	B3L05	III Semester CSE	953621104034 – 60, 22LE104001 – 3	30
6	B3R04	III Semester EEE	953621105001 – 33	33
7	C2L04	III Semester Mech. B	953621114002, 4, 7, 8, 9, 14, 16, 17, 18, 19, 21, 23, 24, 25, 27, 28, 29, 30, 32, 33, 39, 40, 42, 44, 48, 49, 54, 57, 22LE114001, 3, 5	31
8	C2L05	III Semester Mech. A	953621114001, 3, 5, 6, 10, 12, ,13, 15, 20, 22, 26, 31, 34, 35, 36, 37, 38, 41, 43, 45, 46, 47, 50, 51, 52, 53, 55, 56, 22LE114002, 4, 6, 7	32
9	C2R04	III Semester CSE	953621104001 – 33	33
10	C3L01	III Semester AD	953621243001 – 12, 14 – 29, 31, 32	30
11	C3L02	III Semester AD	953621243033 – 60, 22LE243001 – 4	32
12	C3R01	III Semester ECE A	953621106001 – 31	31
13	C3R02	III Semester ECE B	953621106061 – 91	31

8/10/22
Controller of Examinations

Vice-Principal

Principal

RAMCO INSTITUTE OF TECHNOLOGY
EXAMINATION CONTROL OFFICE
ACADEMIC YEAR 2022-2023 (ODD SEMESTER)
HALL ARRANGEMENT FOR INTERNAL ASSESSMENT TEST – I (R-2017)

Date of Test: 13.09.2022 14.09.2022 15.09.2022
16.09.2022 17.09.2022 19.09.2022

Sl. No.	Hall No. (Classroom)	Semester and Branch	Register Number of Candidates	Total No. of Candidates
1	A2L01	V Semester ECE - A	953620106001 – 24	30
		VII Semester ECE - A	953619106001 – 06	
2	A2L02	VII Semester EEE	953619105001 – 03	30
		VII Semester ECE - A	953619106007 – 21	
		VII Semester ECE - B	953619106041 – 52	
3	A2L03	VII Semester EEE	953619105004 – 16 953619105018 – 26 953619105301 – 308	30
4	A2L04	V Semester CSE	953620104001 – 19 953620104021 – 31	30
5	B1L04	V Semester Civil	953620103001 – 10 953620103301 – 303	25
		V Semester Mech. 'A'	953620114001, 2, 3, 8, 9, 12, 13, 14, 15, 18, 19, 20	
6	B1L05	V Semester Civil	953620103304 – 305, 307 – 312	25
		VII Semester Civil	953619103001 – 13, 301 – 304	
7	B3L02	V Semester Mech. 'B'	953620114004, 5, 6, 7, 10, 11, 16, 17, 21, 22, 24, 26, 27, 29, 32, 34, 35, 37, 38, 39, 301 – 304	24
8	B3L03	V Semester CSE	953620104032 – 35	29
		V Semester ECE 'B'	953620106046 – 56, 58 – 71	
9	B3L05	VII Semester CSE	953619104001 – 28	28
10	B3R02	V Semester EEE 'A'	953620105001	30
		V Semester EEE 'B'	953620105014 – 26, 319 – 334	

9/12/22

RAMCO INSTITUTE OF TECHNOLOGY
EXAMINATION CONTROL OFFICE
ACADEMIC YEAR 2022-2023 (ODD SEMESTER)
HALL ARRANGEMENT FOR INTERNAL ASSESSMENT TEST – I (R-2017)

Date of Test: 13.09.2022 14.09.2022 15.09.2022
16.09.2022 17.09.2022 19.09.2022

Sl. No.	Hall No. (Classroom)	Semester and Branch	Register Number of Candidates	Total No. of Candidates
11	B3R03	V Semester EEE 'A'	953620105002 – 13, 301 – 318	30
12	B3R05	VII Semester ECE 'B'	953619106053 – 59, 61 – 76, 79, 80	25
13	C2L01	VII Semester Mech., 'A'	953619114001, 2, 4, 5, 8, 11, 13, 14, 17, 19, 20, 21, 22, 27, 28, 33, 36, 37, 38, 39, 302, 304, 306, 307	34
		VII Semester Mech., 'B'	953619114003, 6, 7, 9, 10, 12	
		VII Semester ECE 'B'	953619106077, 78, 301, 303	
14	C2L02	V Semester Mech. 'B'	953620114307, 312, 313, 314, 315, 319, 321, 322, 323, 324, 326, 327, 330, 334, 338, 339, 343, 345	35
		VII Semester Mech. 'B'	953619114015, 16, 23, 24, 25, 26, 29, 30, 31, 32, 34, 35, 40, 41, 301, 303, 305	
15	C2L03	V Semester Mech. 'A'	953620114023, 25,28, 30, 31, 33, 40, 305, 306, 308, 309, 310, 311, 316, 317, 318, 320, 325, 328, 329, 331, 332, 333, 335, 336, 337, 340, 341, 342, 344	30
16	C2R05	V Semester CSE	953620104036 – 60, 301 – 306, 22TS104701	32
17	C2R06	VII Semester CSE	953619104029 – 55, 301, 302	29
18	C3R03	V Semester ECE 'A'	953620106025 – 45, 303 – 306	25
19	C3R04	V Semester ECE 'B'	953620106072 – 92, 301, 308 – 311	26
20	C3R05	VII Semester ECE 'A'	953619106022 – 40, 302	20

12/9/22 12/9/2022 12/9/22

Faculty In-charge **Professor In-charge** **Vice-Principal**

Principal

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EXAMINATION CONTROL OFFICE
Academic Year 2022-23 (Odd Semester)

CIRCULAR

RIT/ECO/2022-2023 (Odd)/26 03.12.2022

In the view of Anna University Nov./Dec. 2022 Theory Examination all the lecture halls in III floor will be undertaken by Examcell. In this regard, an alternative hall arrangement is made (with effect from 05.12.2022). The details are as follows:

Sl.No.	Class/Semester	Existing Hall No.	Alternate Hall No.
1.	III Semester B.E. Civil	B3L05	C2L03
2.	III Semester B.E. CSE	C2R04	
3.	III Semester B.E. EEE	B3R04	C2L02
4.	III Semester B.E. ECE A	C3R01	C2R05
5.	III Semester B.E. ECE B	C3R02	C2R06
6.	III Semester B.E. MECH A	C2L05	
7.	III Semester B.E. MECH B	C2L04	
8.	III Semester B.Tech. AD	C3L01	C2L01

The Class Advisors and Mentors are requested to communicate the above alternate Hall arrangement to their students concerned.

03/12/2022
Controller of Examinations

3/12/22
Vice-Principal

3/12/22
Principal

Copy to:

1. To be read in III Semester classes Concerned .
2. All HODs for information.

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EXAMINATION CONTROL OFFICE
ACADEMIC YEAR 2022-2023 (ODD SEMESTER)
INTERNAL ASSESSMENT TEST-I (R-2021)
INVIGILATION DUTY CHART

RIT/ECO/2022-2023(Odd)/11 08.10.2022

The following Faculty members are informed to report at Examination Control Office before 15 minutes from the start of the Internal Assessment Test-I for carrying out the invigilation duty.

Test Timings: 1.00 p.m. to 4.00 p.m.

Sl. No.	Faculty Name	10.10.22 Mon	11.10.22 Tue	12.10.22 Wed	13.10.22 Thurs	14.10.22 Fri	15.10.22 Sat
1.	Mrs. R. Kalaimani	A3L01				C3L02	B3L04
2.	Mr. A. Manicka Mamallan			C2R04	A3L01	B3L04	
3.	Mr. V. Ragavan			C3L01		C3R01	
4.	Dr. V. Anusuya	A3L01	C2L04				
5.	Ms. P. Jothi Thilaga				A3L01	B3L05	B1L02
6.	Mr. K. Vignesh Saravanan	B1L02	C2L05	A3L01			
7.	Mr. E. Thangam		A3L01	C2L04	B1L02		
8.	Mrs. S. Jeyanthi		A3L01		B3L03		C3R01
9.	Mr. A. Guna	B3L03	C2R04		B3L04		
10.	Dr. A. Azhagu Jaisudhan Pazhani					C3R02	B3R04
11.	Mr. B. Kannan			C3L02	B3L05	B3R04	
12.	Mrs. G. Gnanapriya	B3L04			B3R04		A3L01
13.	Mrs. V. Srirenga Nachiyar	B3L05		B3R04			C2L04
14.	Mr. P. Gunasekaran	B3R04	C3L01			A3L01	
15.	Mr. P. Venkatesh		B1L02	B3L04	C2L04		
16.	Dr. R. Rajalakshmi	C2L04		B3L03	C2L05		
17.	Ms. S. Harini Shriram				C2R04	C2L04	B3L03
18.	Mrs. G. Subhashini	C2L05				A3L01	C3L01
19.	Ms. L. Krishna Kumari	C2R04	C3L02	A3L01			
20.	Dr. R. Alaguselvi			C3R01	C3L01	C2L05	
21.	Dr. P. Sureshkumar	C3L01			C3L02		
22.	Dr. M. Lakshmanan			C3R02	C3R01	C2R04	
23.	Mr. S. Maharajan	C3L02	C3R01	B1L02			
24.	Mr. M. Sivagaminathan @ Balaji	C3R01	C3R02				C2L05
25.	Mr. R. Arun Kumar		B3L03			B1L02	A3L01
26.	Mr. R. Venkatesh	C3R02		C2L05			C3L02
27.	Mr. M. Ramar		B3L04	B3L05			C3R02
28.	Mr. P. Pavithran		B3L05		C3R02	C3L01	
29.	Dr. S. Vimal		B3R04			B3L03	

8/10/22 8/10/22 8/10/22

Controller of Examinations **Vice-Principal** **Principal**

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EXAMINATION CONTROL OFFICE
ACADEMIC YEAR 2022-2023 (ODD SEMESTER)
INTERNAL ASSESSMENT TEST-II (R-2021)
INVIGILATION DUTY CHART-I Year

RIT/ECO/2022-2023(Odd)/36 10.03.2023

The following Faculty members are informed to report at Examination Control Office before 10 minutes from the start of the Internal Assessment Test-II for carrying out the invigilation duty.

Test Timings: 01.45 p.m. to 04.45 p.m.

Sl. No.	Faculty Name	13.03.2023 Mon	14.03.2023 Tues	15.03.2023 Wed	16.03.2023 Thurs	17.03.2023 Fri
1.	Dr. L. Sathikala			A1L03		A1L04
2.	Dr. T. Manimaran				B3R05	B1L05
3.	Dr. R. Subasree			B3R02	A1L04	B3L02
4.	Dr.G.Selvaraj	A1L03		B3L03	B3L02	A3L01
5.	Mr.T.Selvaganesh	A1L04		B3R05	B1L05	A3L01
6.	Dr. R. Saravanakumar	A2R02 A		C3R05	CC - I	A2L01
7.	Dr. G. Kanthimathi	A2L03	A1L03			
8.	Dr. N. Revathi	B1L02	B3L03	A3L01		
9.	Dr. M. Venkatesh Perumal	B1L05	CC - I	B3L02		B1L02
10.	Dr. E. Karthikeyan	CC - I	B3R02	A2L01		C2L02
11.	Dr. T. Vigneswari		A2R02 A		A3L01	A2R02
12.	Dr. P. Thiruramanathan	B3L02	B1L02		C3R05	A2L04
13.	Dr. R. Srinivasan	A2L01	A1L04		A1L03	B3R05
14.	Dr. K. Jeyapappa	C2L02	B1L05		B1L02	A2L03
15.	Dr. M. Anish Alfred Vaz		B3L02		A2R02 A	CC - I
16.	Dr. R. Naganathan		A2L02	B1L02	B3L03	C3R05
17.	Dr. S. Gomathi		C2L02	CC - I	A2L04	A1L03
18.	Dr. R. Venkatesh	A3L01	B3R05	B1L05		
19.	Mrs. M. Swarna Sudha	A2L02		A3L01	C2R06	
20.	Mrs. B. Vijayalakshmi	B3R05	A2L01		A2L02	
21.	Mr. C. A. Yogaraja	B3R02		A2L04		C2R06
22.	Dr. S. Erana Veerappa Dinesh		A3L01	A2L02	B3R02	
23.	Mrs. G. Mareeswari	C2R06	C3R05		A2L03	B1L04
24.	Mr. R. Dhamotharan		A3L01	B1L04	A2R02	B3R02
25.	Ms. K. Jeyageetha	C3R05	B1L04	A2L03	C2L02	
26.	Mr. R. Thangasankaran			RHI*		
27.	Mr. R. Deiva Nayagam	A3L01	A2L04	C2L02		
28.	Mr. G. Prabu Ram		A2R02	A1L04		A2L02
29.	Mrs. B. Revathi	B3L03			B1L04	A2R02 A
30.	Ms. S. Selva Birundha	A2L04		A2R02 A		B3L03

Sl. No.	Faculty Name	13.03.2023	14.03.2023	15.03.2023	16.03.2023	17.03.2023
		Mon	Tues	Wed	Thurs	Fri
31.	Mrs. C. Karpagavali	B1L04	C2R06	A2R02	A3L01	
32.	Ms. K. Amuthachenthiru	A2R02	A2L03	C2R06	A2L01	

*RHI - Reserve Hall Invigilator

10/3/23 13/3/23 10/3/23

Controller of Examinations **Vice-Principal** **Principal**

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EXAMINATION CONTROL OFFICE
ACADEMIC YEAR 2022-2023 (ODD SEMESTER)
INTERNAL ASSESSMENT TEST-I (R-2021)
INVIGILATION DUTY CHART – I Year

RIT/ECO/2022-2023(Odd)/30 06.01.2023

The following Faculty members are informed to report at Examination Control Office before 10 minutes from the start of the Internal Assessment Test-I for carrying out the invigilation duty.

Test Timings: 01.45 p.m. to 04.45 p.m.

Sl. No.	Faculty Name	07.01.23 Sat	09.01.23 Mon	10.01.23 Tues	11.01.23 Wed	12.01.23 Thurs
1.	Dr. L. Sathikala			A1L03		B1L02
2.	Dr. T. Manimaran				A1L03	A1L04
3.	Dr. R. Subasree			A3L01	A1L04	A2L01
4.	Dr.G.Selvaraj			A2L01	B1L02	A2L02
5.	Mr.T.Selvaganesh	A1L03		A2L02	B1L05	A2L03
6.	Dr. R. Saravanakumar	A1L04		A2L03	A2L02	A2L04
7.	Dr. G. Kanthimathi			A2L04		A2R02
8.	Dr. N. Revathi	A2L01	A1L03	A2R02		
9.	Dr. M. Venkatesh Perumal	A2L02	A1L04	A2R02 A		
10.	Dr. E. Karthikeyan	A3L01	A2L01	A1L04		A2R02 A
11.	Dr. T. Vigneswari		A3L01		A2L04	C2R04
12.	Dr. P. Thiruramanathan	A2L04	A2L02			A3L01
13.	Dr. R. Srinivasan	A2R02	A2L03		A3L01	A1L03
14.	Dr. K. Jeyapappa	A2R02 A	A2L04		A2R02	B1L05
15.	Dr. M. Anish Alfred Vaz		C2R04		A2R02 A	C2L01
16.	Dr. R. Naganathan		C2R05		A3L01	C2L02
17.	Dr. S. Gomathi		C2R06	A3L01	A2L01	C2L03
18.	Dr. R. Venkatesh	A3L01	A2R02	B1L02		
19.	Mrs. M. Swarna Sudha	A2L03	A2R02 A	B1L05		
20.	Mrs. B. Vijayalakshmi	B1L02	A3L01	C2L01		
21.	Mr. C. A. Yogaraja			C2L02	C2R06	C2L04
22.	Dr. S. Erana Veerappa Dinesh	B1L05	C2L05		C2L01	
23.	Mrs. G. Mareeswari			C2L03	C2L02	C2L05
24.	Mr. R. Dhamotharan	C2R05	B1L02	C2R06		A3L01
25.	Ms. K. Jeyageetha	C2L02	B1L05	C2L05	C2L03	
26.	Mr. R. Thangasankaran	RHI*				
27.	Mr. R. Deiva Nayagam	C2L03	C2L01	C2R04	C2L04	
28.	Mr. C. Gururaj	C2L04			C2L05	C2R05
29.	Mr. G. Prabu Ram	C2L05	C2L02		C2R04	
30.	Mrs. B. Revathi	C2R04		C2R05		C2R06

Sl. No.	Faculty Name	07.01.23	09.01.23	10.01.23	11.01.23	12.01.23
		Sat	Mon	Tues	Wed	Thurs
31.	Ms. S. Selva Birundha	C2L01	C2L04		C2R05	
32.	Mrs. C. Karpagavali	C2R06	C2L03	C2L04	A2L03	

*RHI - Reserve Hall Invigilator

06/01/23

Controller of Examinations

6/1/23

Vice-Principal

6.1.23

Principal

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EXAMINATION CONTROL OFFICE
ACADEMIC YEAR 2022-2023 (ODD SEMESTER)
INTERNAL ASSESSMENT TEST-II (R-2021)
INVIGILATION DUTY CHART

RIT/ECO/2022-2023(Odd)/28 13.12.2022

The following Faculty members are informed to report at Examination Control Office before 15 minutes from the start of the Internal Assessment Test-II (R-2021) for carrying out the invigilation duty.

Test Timings: 1.45 p.m. to 4.45 p.m.

Sl. No.	Faculty Name	14.12.22 Wed	15.12.22 Thurs	16.12.22 Fri	17.12.22 Sat	19.12.22 Mon	20.12.22 Tue
1.	Mrs. R. Kalaimani		C2L02		Autocad Lab		C2L03
2.	Mr. A. Manicka Mamallan	C2L01		C2L03		C3L03	
3.	Mr. V. Ragavan	RHS					
4.	Ms. P. Jothi Thilaga		C2R05		CC-IV		C2L02
5.	Mr. K. Vignesh Saravanan	C2R04		CC-IV		C2L03	Mech Cad Lab
6.	Mr. E. Thangam		C2L01		Mech Cad Lab		C2L05
7.	Mrs. S. Jeyanthi			A3L01	C2L02	C2R04	
8.	Mr. A. Guna	C2R06	C2L03		C3L03	C2L05	
9.	Mr. B. Kannan	C2R05		Autocad Lab		Mech Cad Lab	
10.	Mrs. G. Gnanapriya	C2L02			C2R04		CC-IV
11.	Mrs. V. Srirenga Nachiyar		C2L04	C2L01		C2L04	
12.	Mr. P. Gunasekaran		C2R06	C3L03		Autocad Lab	
13.	Mr. P. Venkatesh		Mech Cad Lab		C2L04		C2R06
14.	Dr. R. Rajalakshmi	CC-IV		C2R05		C2L01	A3L01
15.	Ms. S. Harini Shriram	C3L03		A3L01	C2L03		C2L04
16.	Mrs. G. Subhashini	A3L01		C2L05	C2R06	C2R05	
17.	Ms. L. Krishna Kumari	C2L03	CC-IV			C2R06	A3L01
18.	Dr. R. Alaguselvi		A3L01	C2R06	C2L01	CC-IV	
19.	Dr. M. Lakshmanan	Mech Cad Lab		C2R04		A3L01	
20.	Mr. C. Gururaj	C2L05			C2R05		C3L03
21.	Mr. S. Maharajan	Autocad Lab	C3L03		A3L01		
22.	Mr. M. Sivagaminathan @ Balaji	A3L01	C2L05			C2L02	
23.	Mr. R. Arun Kumar	C2L04	Autocad Lab	C2L02		A3L01	
24.	Mr. R. Venkatesh		A3L01	Mech Cad Lab	C2L05		C2L01
25.	Mr. M. Ramar		C2R04	C2L04	A3L01		Autocad Lab

13/12/22
Controller of Examinations

Vice-Principal

13/12/22
Principal

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RAMCO INSTITUTE OF TECHNOLOGY

HALL CHECKING DUTY CHART FOR AU THEORY EXAMINATION NOV./DEC. 2022

02.12.2022

Sl.NO.	NAME OF THE TECHNICIAN	DEPT.	08-12-22	08-12-22	09-12-22	09-12-22	10-12-22	10-12-22	12-12-22	12-12-22	13-12-22	13-12-22	14-12-22	14-12-22	15-12-22	16-12-22	16-12-22	17-12-22	17-12-22	19-12-22	20-12-22	21-12-22	21-12-22	22-12-22	23-12-22
			FN	AN	FN	AN	FN	AN	FN	AN	FN	AN	FN	AN	AN	FN	AN	FN	AN	AN	FN	FN	AN	AN	AN
			Thu	Thu	Fri	Fri	Sat	Sat	Mon	Mon	Tue	Tue	Wed	Wed	Thu	Fri	Fri	Sat	Sat	Mon	Tue	Wed	Wed	Thu	Fri
1	Mrs. R. Chitra	Civil						1												1					
2	Mrs. S. Manibharathi	Civil				1										1						1			
3	Mr. M. Saravanakumar	Civil					1										1								
4	Mr. A. Arumugaganesh	Civil			1								1									1			
5	Ms. M. K. Suveka	Civil								1					1										
6	Mr. J. Nagaraj	Civil									1							1							
7	Ms. M. Nageswari	Civil			1										1		1	1				1	1		
8	Mr. K. Muthu Kumar	CSE								1										1					
9	Mr. S. Suresh Kumar	CSE	1												1									1	
10	Mr. B. Siva Sundarji	CSE	1								1														1
11	Mr. G. Ramesh Kumar	CSE			1													1							
12	Mr. M. Saravanakumar	CSE			1										1			1							
13	Mr. M. Selvakumar	CSE									1													1	
14	Mrs. Subalakshmi	CSE	1		1						1				1	1								1	1
15	Mr. P. Vijayakumar	EEE		1					1										1						
16	Mr. S. Muthuraman	EEE					1		1				1												
17	Mr. I. John Britto	EEE		1										1											1
18	Mr. S. Prem Kumar	EEE		1											1										
19	Mrs. P. Palanikani	EEE		1			1		1				1						1						
20	Mr. A. Muthukrishnan	ECE			1										1							1			
21	Mr. S. Muthu Jothi	ECE							1								1						1		
22	Mr. K. Anthonisamy	ECE			1				1									1					1		
23	Mr. S. Saravanakumar	ECE						1									1			1					
24	Mr. M. Anand	ECE			1										1			1					1		
25	Mrs. P. Manjuladevi	ECE	1		1				1								1	1				1			1
26	Mr. P. Selvaraj	Mechanical					1												1						
27	Mr. G. Balaguru	Mechanical			1						1												1		
28	Mr. U. Jansi Rajan	Mechanical				1							1										1		
29	Mr. P. Murugesan	Mechanical					1				1			1											
30	Mr. C. Pandimuneeswaran	Mechanical			1																1				
31	Mr. P. Ganesan	Mechanical			1						1												1		
32	Mr. M. Muthukumaralagan	Mechanical		1					1														1		
33	Mr. V. Vandimalaimuthukumar	Mechanical			1						1														
34	Mr. M. Arunachalam	Mechanical							1									1							
35	Mrs. T. Gayathri	Mechanical			1						1				1			1					1		
36	Mr. M. Chandrasekar	AD										1						1				1			
37	Mrs. T. Ramalakshmi	AD										1													
38	Mr. A. Veerappan	English												1											
			4	5	14	2	5	2	8	2	9	2	4	3	9	2	5	10	3	3	1	6	9	3	4

02/12/22
Controller of Examinations

3/12/22
Vice-Principal

5/12/22
Principal

RAMCO INSTITUTE OF TECHNOLOGY

HALL CHECKING DUTY CHART FOR AU THEORY EXAMINATION NOV./DEC. 2022

02.12.2022

Sl.NO.	NAME OF THE TECHNICIAN	DEPT.	26-12-22	26-12-22	27-12-22	27-12-22	29-12-22	30-12-22	30-12-22	02-01-23	03-01-23	03-01-23	04-01-23	04-01-23	05-01-23	05-01-23	06-01-23	07-01-23	07-01-23	09-01-23	09-01-23	10-01-23	10-01-23	11-01-23	12-01-23
			FN	AN	FN	AN	FN	FN	AN	FN	FN	AN	FN	AN	FN	AN	FN	FN	AN	FN	AN	FN	AN	FN	FN
			Mon	Mon	Tue	Tue	Thu	Fri	Fri	Mon	Tue	Tue	Wed	Wed	Thu	Thu	Fri	Sat	Sat	Mon	Mon	Tue	Tue	Wed	Thu
1	Mrs. R. Chitra	Civil				1	1	1		1			1		1		1			1		1		1	
2	Mrs. S. Manibharathi	Civil					1			1			1	1			1	1		1	1				1
3	Mr. M. Saravanakumar	Civil				1	1			1			1				1							1	
4	Mr. A. Arumugaganesh	Civil					1	1					1				1							1	
5	Ms. M. K. Suveka	Civil				1	1	1		1			1		1		1		1	1				1	
6	Mr. J. Nagaraj	Civil				1	1				1		1							1					
7	Ms. M. Nageswari	Civil					1			1	1		1				1			1			1	1	
8	Mr. K. Muthu Kumar	CSE					1	1		1			1							1					
9	Mr. S. Suresh Kumar	CSE					1			1	1						1							1	
10	Mr. B. Siva Sundarji	CSE					1			1			1				1							1	
11	Mr. G. Ramesh Kumar	CSE					1	1		1			1							1					
12	Mr. M. Saravanakumar	CSE					1			1			1							1					
13	Mr. M. Selvakumar	CSE				1	1	1					1									1			
14	Mrs. Subalakshmi	CSE					1	1		1		1	1				1			1					
15	Mr. P. Vijayakumar	EEE					1			1			1							1					
16	Mr. S. Muthuraman	EEE		1			1			1			1							1					
17	Mr. I. John Britto	EEE					1	1					1				1							1	
18	Mr. S. Prem Kumar	EEE		1			1			1	1						1							1	
19	Mrs. P. Palanikani	EEE		1			1	1	1	1			1				1			1				1	
20	Mr. A. Muthukrishnan	ECE					1			1		1								1					
21	Mr. S. Muthu Jothi	ECE					1			1			1				1							1	
22	Mr. K. Anthonisamy	ECE						1				1					1			1					
23	Mr. S. Saravanakumar	ECE					1			1			1							1				1	
24	Mr. M. Anand	ECE					1				1						1							1	
25	Mrs. P. Manjuladevi	ECE					1	1		1	1	1	1							1					
26	Mr. P. Selvaraj	Mechanical					1	1			1				1									1	
27	Mr. G. Balaguru	Mechanical					1			1			1							1				1	
28	Mr. U. Jansi Rajan	Mechanical					1	1					1							1			1		
29	Mr. P. Murugesan	Mechanical					1			1			1				1		1						
30	Mr. C. Pandimuneeswaran	Mechanical		1			1			1					1					1				1	
31	Mr. P. Ganesan	Mechanical					1			1					1		1							1	
32	Mr. M. Muthukumaralagan	Mechanical					1			1			1					1							1
33	Mr. V. Vandimalaimuthukumar	Mechanical			1		1			1							1			1	1				
34	Mr. M. Arunachalam	Mechanical				1	1			1						1	1							1	
35	Mrs. T. Gayathri	Mechanical			1		1			1	1		1			1	1			1				1	
36	Mr. M. Chandrasekar	AD	1			1	1		1			1													
37	Mrs. T. Ramalakshmi	AD	1				1			1			1				1			1				1	
38	Mr. A. Veerappan	English				1	1	1			1			1			1			1					
			2	4	2	8	37	14	2	27	9	5	26	2	5	2	22	2	2	23	2	2	2	20	2

02/12/22
Controller of Examinations

3/12/22
Vice-Principal

5/12/22
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RAMCO INSTITUTE OF TECHNOLOGY

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EXAMINATION CONTROL OFFICE
ACADEMIC YEAR 2022-2023 (ODD SEMESTER)
INTERNAL ASSESSMENT TEST-III (R-2017)
INVIGILATION DUTY CHART

RIT/ECO/2022-2023(Odd)/20 11.11.2022

The following Faculty members are informed to report at Examination Control Office before 15 minutes from the start of the Internal Assessment Test-III for carrying out the invigilation duty.

Test Timings: 1.00 p.m. to 4.00 p.m.

Sl. No.	Faculty Name	14.11.22 Mon	15.11.22 Tues	16.11.22 Wed	17.11.22 Thurs	18.11.22 Fri	19.11.22 Sat
1.	Mr. G. Karthikeyan		B3L02	C2R06			B3R05
2.	Mrs. C. Subha		C2R06		B3L04		C3L02
3.	Mrs. D. Darling Helen Lydia	B3L02			C2L01		B3L03
4.	Mr. T. Chockalingam		C3R04	B3L02			C2L02
5.	Mr. R. Muruganantham	B3L04			C2R06	A3L01	
6.	Mr. J. Ram Prashath			C2L01	A3L01		C3R04
7.	Dr. M. Indhumathi		B3L03			B3L02	C2R05
8.	Mr. A. Leema Margret	B3L03	A3L01	C3R04			
9.	Dr. M. Gomathy Nayagam			B3L03		C2L02	
10.	Mrs. S. Manjula			A3L01	B3L02		C2R06
11.	Ms. G. Sakthi Priya	C2L01	B3R03			B3L04	
12.	Dr. I. Gethzi Ahila Poornima		C2L02	B3L04		C2R06	
13.	Dr. K. Vivekrabinson	B3R05			C2L03	B3L03	
14.	Mrs. S. Sankari	B3R03	C2L01				B3L02
15.	Mr. D. Karthik Prabhu	C2L02	A3L01				C3R03
16.	Mr. S. Meenakshi Sundaravel	C2L03			C3R05	A3L01	
17.	Mr. A. S. Vigneshwar		B3R05		C3R03		B3R03
18.	Ms. S. Sharmila Kumari	C2R05		C3R03		C2L01	
19.	Mrs. G. Sivapriya		B3L04		C2L02		C3R05
20.	Dr. S. Vairaprakash			B3R02			B3L04
21.	Dr. A. Lakshmi			B3R05		C3R03	
22.	Dr. K. Ragavan		C2L03		C2R05	B3R02	
23.	Mrs. R. Ramalakshmi	B3R02		C2L02		C3R04	
24.	Mr. D. Gopinath	C2R06		C2L03		C3R05	
25.	Mr. A. Rameshbabu	RHI	C2R05				A3L01
26.	Mr. G. Sivakumar	A3L01			B3R05		A3L01
27.	Mr. L. K. Balaji Vignesh	A3L01		B3R03		C2R05	
28.	Ms. R. Chandralekha		C3L02	C2R05			B3R02
29.	Dr. V. Sivakumar				B3R02		C2L01
30.	Dr. S. Godwin Barnabas			C3R05	C3L02		
31.	Mr. J. Jerold John Britto	C3L02	B3R02		C3R04		

Sl. No.	Faculty Name	14.11.22	15.11.22	16.11.22	17.11.22	18.11.22	19.11.22
		Mon	Tues	Wed	Thurs	Fri	Sat
32.	Mr. M. Ashok Kumar		C3R03		B3R03	C3L02	
33.	Mr. S. Valai Ganesh	C3R03		C3L02		B3R05	
34.	Mr. L. Karthikeyan	C3R05			A3L01		C2L03
35.	Mr. M. Santhana Maruthu Pandian	C3R04		A3L01		C2L03	
36.	Mr. R. Prabhakaran		C3R05		B3L03	B3R03	
37.	Mr. S. Kathiravan		RHI*				

*RHI - Reserve Hall Invigilator

11/11/2022
Controller of Examinations

11/11/22
Vice-Principal

11.11.22
Principal

1. All Faculty members through respective HODs for information and record.
2. GM (A) for information and record.
3. File.

RAMCO INSTITUTE OF TECHNOLOGY

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EXAMINATION CONTROL OFFICE
ACADEMIC YEAR 2022-2023 (ODD SEMESTER)
INTERNAL ASSESSMENT TEST-II (R-2017)
INVIGILATION DUTY CHART

RIT/ECO/2022-2023(Odd)/14 14.10.2022

The following Faculty members are informed to report at Examination Control Office before 10 minutes from the start of the Internal Assessment Test-II for carrying out the invigilation duty.

Test Timings: 9.00 a.m. to 10.40 a.m.

Sl. No.	Faculty Name	15.10.22 Sat	17.10.22 Mon	18.10.22 Tues	19.10.22 Wed	20.10.22 Thurs	21.10.22 Fri
1.	Mr. G. Karthikeyan	A1L03		A2L04			
2.	Mrs. C. Subha		A3L01		B3L02		A1L03
3.	Mrs. D. Darling Helen Lydia	A1L04		A2L03			A2L01
4.	Mr. T. Chockalingam			B3L05		A3L01	A2L02
5.	Mr. R. Muruganantham	A2L01			B3R02	A1L03	
6.	Mr. J. Ram Prashath			B3R02		A3L01	A2L03
7.	Dr. M. Indhumathi		A3L01	A1L03			A2L04
8.	Mr. A. Leema Margret	A2L02	A1L03			B3R05	
9.	Dr. M. Gomathy Nayagam			B3R03		B3L02	
10.	Mrs. S. Manjula	A2L03			B3R03		A3L01
11.	Ms. G. Sakthi Priya			B3R05		B3L03	A3L01
12.	Dr. I. Gethzi Ahila Poornima	A2L04		A3L01	A1L03		
13.	Dr. K. Vivekrabinson			C2L01		B3L05	B3R03
14.	Mrs. T. Shruthi	A3L01		C2L02	B3L03		
15.	Mrs. S. Sankari		B3L02			C2L02	B3L05
16.	Dr. K. Karthikeyan		B3R02		A1L04		
17.	Mr. D. Karthik Prabhu			A3L01		C2L01	B3R02
18.	Mr. S. Meenakshi Sundaravel	A3L01	B3R03			B3R02	
19.	Mr. A. S. Vigneshwar		B3L03	A1L04		A2L03	
20.	Ms. S. Sharmila Kumari		A1L04			C2L03	B3L03
21.	Mrs. G. Sivapriya	B3L02			B3R05	A1L04	
22.	Dr. S. Vairaprakash	B3L03			C2L01		
23.	Dr. A. Lakshmi			C2L03		B3R03	
24.	Dr. K. Ragavan		C2L01	A2L01			B3R05
25.	Mrs. R. Ramalakshmi	B3L05	A2L01		A2L04		
26.	Mr. D. Gopinath	B3R02			C2L02	A2L01	
27.	Mr. A. Rameshbabu		A2L02			C2R06	
28.	Mr. G. Sivakumar	B3R03	A2L03		A3L01		
29.	Mr. L. K. Balaji Vignesh		C2L02		B3L05		C2L01
30.	Ms. R. Chandralekha	B3R05			C2L03	A2L02	
31.	Dr. V. Sivakumar			C2R05	A2L02		

Sl. No.	Faculty Name	15.10.22	17.10.22	18.10.22	19.10.22	20.10.22	21.10.22
		Sat	Mon	Tues	Wed	Thurs	Fri
32.	Dr. S. Godwin Barnabas		C2L03			C2R05	
33.	Mr. J. Jerold John Britto	C2R06	A2L04		A3L01		
34.	Mr. M. Ashok Kumar	C2L02		B3L02	C2R05		
35.	Mr. S. Valai Ganesh		C2R05	A2L02		A2L04	
36.	Mr. L. Karthikeyan			C2R06	A2L03		C2L02
37.	Mr. M. Santhana Maruthu Pandian	C2L03		B3L03			C2R05
38.	Mr. R. Prabhakaran	C2R05			A2L01		C2R06
39.	Mr. S. Kathiravan	C2L01			C2R06		

14/10/2022
Controller of Examinations

O/D
Vice-Principal

f S. Kan 14/10/22
Principal

1. Copy circulated to all Faculty members through respective HODs for information and record.
2. File.

RAMCO INSTITUTE OF TECHNOLOGY

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EXAMINATION CONTROL OFFICE
ACADEMIC YEAR 2022-2023 (ODD SEMESTER)
INTERNAL ASSESSMENT TEST-I (R-2017)
INVIGILATION DUTY CHART

RIT/ECO/2022-2023(Odd)/05 12.09.2022

The following Faculty members are informed to report at Examination Control Office before 10 minutes from the start of the Internal Assessment Test-I for carrying out the invigilation duty.

Test Timings: 9.00 a.m. to 10.40 a.m.

Sl. No.	Faculty Name	13.09.22	14.09.22	15.09.22	16.09.22	17.09.22	19.09.22
		Tue	Wed	Thurs	Fri	Sat	Mon
1.	Mr. G. Karthikeyan	A2L01		C3R04		A2L02	
2.	Mrs. C. Subha		A2L01		B3R03		C2L02
3.	Mrs. D. Darling Helen Lydia	A2L02		C3R05		B3R05	
4.	Mr. T. Chockalingam		A2L02		C2L01		C3R03
5.	Mr. R. Muruganantham	A2L03		C3R03		A2L04	
6.	Mr. J. Ram Prashath		A2L03		C2L03		C2R05
7.	Dr. M. Indhumathi	A2L04		C2R05		C2L02	
8.	Mr. A. Leema Margret		A2L04		C2R06		C2L01
9.	Dr. M. Gomathy Nayagam			C2R06	C3R04		
10.	Mrs. S. Manjula	B1L04		C2L03		B3L03	
11.	Ms. G. Sakthi Priya		B1L04		A2L01		B3R03
12.	Dr. I. Gethzi Ahila Poornima	B1L05		C2L01		B3R02	
13.	Dr. K. Vivekrabinson		C3R05		A2L03		B3R02
14.	Mrs. T. Shruthi	B3L02		C2L02		B1L05	
15.	Mrs. S. Sankari		B3L02		B1L04		B3L03
16.	Dr. K. Karthikeyan	B3L03		B3R05			
17.	Mr. D. Karthik Prabhu	B3L05		B3R02		C3R03	
18.	Mr. S. Meenakshi Sundaravel		B3L03		B3L05		C3R04
19.	Mr. A. S. Vigneshwar	B3R02		B3R03		C2R05	
20.	Ms. S. Sharmila Kumari		B3L05		B3L02		A2L03
21.	Mrs. G. Sivapriya	B3R03		B3L02		C3R05	
22.	Dr. S. Vairaprakash		B3R02		B3R05		
23.	Dr. A. Lakshmi		B3R03		C2L02		
24.	Dr. K. Ragavan		B3R05		C2R05		B1L04
25.	Mrs. R. Ramalakshmi	B3R05		B3L05		A2L01	
26.	Mr. D. Gopinath		C2L01		C3R03		A2L04
27.	Mr. A. Rameshbabu	C2L01		B3L03		B3R03	
28.	Mr. G. Sivakumar		C2L02		C3R05		A2L01
29.	Mr. L. K. Balaji Vignesh	C2L02		B1L04		A2L03	
30.	Ms. R. Chandralekha		C2L03		A2L02	C2L01	
31.	Dr. V. Sivakumar	C2L03		B1L05			
32.	Dr. S. Godwin Barnabas		C2R05		A2L04		

03.2022

Sl. No.	Faculty Name	13.09.22	14.09.22	15.09.22	16.09.22	17.09.22	19.09.22
		Tue	Wed	Thurs	Fri	Sat	Mon
33.	Mr. J. Jerold John Britto	C2R05		A2L03		B1L04	
34.	Mr. M. Ashok Kumar		C3R03		B1L05	C2L03	
35.	Mr. S. Valai Ganesh	C2R06		A2L01		B3L02	
36.	Mr. L. Karthikeyan	C3R03	C2R06		B3L03		
37.	Mr. M. Santhana Maruthu Pandian	C3R04		A2L02		C2R06	
38.	Mr. R. Prabhakaran		C3R04		B3R02	B3L05	
39.	Mr. S. Kathiravan	C3R05	B1L05	A2L04		C3R04	

12/9/22 — **Faculty In-charge**

12/9/2022 — **Professor In-charge**

Vice-Principal

Principal 12.9.22

1. Copy circulated to all Faculty members through respective HODs for information and record.
2. File.

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EXAMINATION CONTROL OFFICE
ACADEMIC YEAR 2022-2023 (EVEN SEMESTER)
INTERNAL ASSESSMENT TEST-II (R-2021) – II Semester
INVIGILATION DUTY CHART

RIT/ECO/2022-2023(Even)/27

26.07.2023

The following Faculty members are informed to report at Examination Control Office before 15 minutes from the start of the Internal Assessment Test-II (R-2021) for carrying out the invigilation duty.

Test Timings: 1.00 p.m. to 4.00 p.m.

Sl. No.	Faculty Name	28.07.23	28.07.23	31.07.23	01.08.23	02.08.23	03.08.23	04.08.23	05.08.23
		Fri(9-10.40 am)	Fri(11-12.30pm)	Mon	Tues	Wed	Thurs	Fri	Sat
1.	Mr.A.Manicka Mamallan	A2L03	A1L04	C2R04		A3L01			
2.	Mrs. M. Swarna Sudha		A2R02A	A2R02		C2R04		C3R02	
3.	Mrs.B.Vijayalakshmi	A1L03			A2L01		A2R02A	C2L05	
4.	Ms. K. Jeyakarthika		A2R02	C3R02		A2R02A		C2R04	
5.	Ms. N. Muthu Bala	A2L01			A2R02		C2R04		A3L01
6.	Dr.B.Deepa Lakshmi					A2L01			C3R02
7.	Dr.A.Lakshmi						C3R01	A2L03	
8.	Mr.B.Kannan	A1L04		A2L01			A2L03	A2R02A	
9.	Mrs.R.Ramalakshmi		A1L03		A2R02A		A2L01		C2R04
10.	Mr.R.Deiva Nayagam	A2L02		A2R02A		A2L03		A2R02	
11.	Mr.G.Sivakumar		A2L01		A1L03	A2R02			A2L03
12.	Dr.M.Lakshmanan	A2R02	A2L02						
13.	Dr. J. Jerold John Britto								A2R02
14.	Mr.S.Maharajan						A2R02		
15.	Mr.M.Sivagaminathan alias Balaji					A2L02			
16.	Mr. M. Ashok Kumar			A1L03					
17.	Mr.S.Valai Ganesh						C2L05		
18.	Mr.C.Gururaj		A2L03						A2R02A
19.	Mr.L.Karthikeyan					A1L03			
20.	Mr.G.Prabu Ram				C2L05				
21.	Mr.R.Arun Kumar						A2L02		
22.	Mr.R.Venkatesh		C2R04						A3L01

26.7.23

23.	Mr.R.Prabhakaran	A2L04							A2L02
24.	Mr.M.Ramar		B1L05						C2L05
25.	Mr.S. Kathiravan	A2R02A		A2L02					
26.	Mrs.C.Karpagavalli		C3R02		A2L03		A1L03	A2L02	
27.	Ms. K.Amuthachenthiru	B1L02		A1L04		A3L01		A2L01	
28.	Mrs.C.Usharani		A2L04		A2L02			A3L01	C3R01
29.	Mr. M. Ramnath	B1L05		A2L03	C2R04			A1L03	
30.	Mr. S. Sakkaravarthi	Reserve Hall Superintendent							
31.	Dr.S.Erana Veerappa Dinesh	A3L01		A2L04		C2L05	B3L05		
32.	Ms. K. Usha Rani	B3L05			A1L04		A3L01	B3L02	
33.	Ms. B. Yazhini		B1L02	B1L05		C3R02		B3L05	
34.	Dr. M. Anish Alfred Vaz	A3L01			A2L04		B3L02		A2L01
35.	Dr. S.Gomathi		B3L02		B1L05	A1L04		B1L04	
36.	Dr. K. Krishna Veni	B3L02			B1L02		A3L01		A1L03
37.	Dr. G. S. Sujantha		A3L01		B1L04	A2L04		B3R04	
38.	Dr. K. Santhi Maheswari	C2R04			A3L01	B1L05			B3L02
39.	Dr.L.Sathikala			B1L02				A2L04	
40.	Dr. T. Manimaran			B3L02					B1L05
41.	Dr.R.Subasree		A3L01	A3L01		B1L02		B1L05	
42.	Dr.G.Selvaraj	C3R01		B1L04			A1L04		A2L04
43.	Mr.T.Selvaganesh		B3L05	B3R04		B1L04		B1L02	
44.	Dr. R. Saravanakumar	B3R04				B3L02	A2L04		B3L05
45.	Dr. T. Vigneswari		B1L04	C3R01	B3L02			A3L01	
46.	Dr. P. Thiruramanathan	C3R02			A3L01		B1L05		B3R04
47.	Dr. R. Srinivasan		B3R04	C2L05	C3R02		B1L02		
48.	Dr. K. Jeyapappa	B1L04			B3L05		B3R04	C3R01	
49.	Dr. G. Kanthimathi			B3L05		C3R01			
50.	Dr.N.Revathi		C2L05		B3R04	B3L05		A1L04	
51.	Dr. M. Venkatesh Perumal	C2L05			C3R01	B3R04	B1L04		
52.	Dr. E. Karthikeyan		C3R01	A3L01			C3R02		A1L04

*RHS - Reserve Hall Superintendent

26/7/23
Controller of Examinations

26/7/23
Vice-Principal

26/7/23
Principal

1. Copy circulated to all Faculty members through respective HODs for information and record.
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RAMCO INSTITUTE OF TECHNOLOGY

Approved by AICTE, New Delhi & Affiliated to Anna University
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EXAMINATION CONTROL OFFICE
ACADEMIC YEAR 2022-2023 (EVEN SEMESTER)
INTERNAL ASSESSMENT TEST-I (R-2021) – II Semester
INVIGILATION DUTY CHART

RIT/ECO/2022-2023(Even)/22 17.06.2023

The following Faculty members are informed to report at Examination Control Office before 15 minutes from the start of the Internal Assessment Test-I (R-2021) for carrying out the invigilation duty.

Test Timings: 1.45 p.m. to 4.45 p.m.

Sl. No.	Faculty Name	19.06.23	20.06.23	21.06.23	22.06.23	23.06.23	24.06.23
		Mon	Tue	Wed	Thurs	Fri	Sat
1.	Mr.A.Manicka Mamallan	A1L03	C2R04	A3L01			
2.	Mrs.B.Vijayalakshmi	C2R05	A2L01		C2L05		
3.	Ms. K. Jeyakarthika	A1L04	A1L03	C2R04		C2R05	
4.	Ms. N. Muthu Bala		C2R05	A3L01	C2R04	C2L05	
5.	Dr.B.Deepa Lakshmi	A2L01					B1L05
6.	Mr.R. Thangasankaran	Reserve Hall Superintendent					
7.	Dr.A.Lakshmi		A1L04		A3L01		
8.	Mr.B.Kannan	A2L02		A1L03		A3L01	
9.	Mrs.R.Ramalakshmi	C2L02				C2L04	A2L03
10.	Mr.R.Deiva Nayagam		C2R06	C2L05		C2L01	
11.	Mr.G.Sivakumar	A2L03		C2L01			A3L01
12.	Mr.C.Gururaj		A3L01	A1L04	A1L03		
13.	Mr.R.Venkatesh	A2L04		C2R06			C2L01
14.	Mr.R.Prabhakaran		C2L01	A2L01		A3L01	
15.	Mr.M.Ramar	A2R02	A2L02		B1L02		
16.	Mr.S. Kathiravan		A3L01	B1L05	C2L01		
17.	Mrs.C.Karpagavalli		A2L04	C2L03	A1L04		
18.	Ms. K.Amuthachenthiru	C2L01	A2L03	C2L04			
19.	Mrs.C.Usharani	B1L02		A2L02	A3L01	A1L03	
20.	Mr. M. Ramnath		C2L03	A2R02A	A2L01		A3L01
21.	Dr.S.Erana Veerappa Dinesh	C2L03				A2L04	B1L02
22.	Ms. K. Usha Rani		A2R02	A2L03	B1L05	C2L03	
23.	Dr. M. Anish Alfred Vaz		B1L02	C2L02	A2L02		
24.	Dr. S.Gomathi				A2R02A	B1L05	C2R06
25.	Dr. K. Krishna Veni		C2L04		A2L04	A1L04	
26.	Dr. G. S. Sujantha		A2R02A	B1L02		A2L01	C2L05
27.	Dr.L.Sathikala	C2R04					A2L02
28.	Dr. T. Manimaran	A2R02A					C2L03
29.	Dr.R.Subasree			C2R05	C2L02	A2L02	
30.	Dr.G.Selvaraj	A3L01			A2L03	A2R02A	
31.	Mr.T.Selvaganesh	C2R06		A2L04			A2R02
32.	Dr. R. Saravanakumar				C2L03	B1L02	A1L04
33.	Dr. T. Vigneswari		B1L05			A2R02	C2R04
34.	Dr. P. Thiruramanathan	A3L01				C2L02	A2L01
35.	Dr. R. Srinivasan	C2L05			A2R02		C2L04

Sl. No.	Faculty Name	19.06.23 Mon	20.06.23 Tue	21.06.23 Wed	22.06.23 Thurs	23.06.23 Fri	24.06.23 Sat
36.	Dr. K. Jeyapappa		C2L02		C2L04	C2R04	
37.	Dr. G. Kanthimathi	B1L05					C2L02
38.	Dr. N.Revathi		C2L05		C2R05	A2L03	
39.	Dr. M. Venkatesh Perumal	C2L04				C2R06	A2L04
40.	Dr. E. Karthikeyan			A2R02	C2R06		C2R05

*RHS - Reserve Hall Superintendent

17/6/23

Controller of Examinations

O/L

Vice-Principal

17.6.23

Principal

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RAMCO INSTITUTE OF TECHNOLOGY

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EXAMINATION CONTROL OFFICE
ACADEMIC YEAR 2022-2023 (EVEN SEMESTER)
INTERNAL ASSESSMENT TEST-II (R-2021) &
INTERNAL ASSESSMENT TEST- III (R-2017)
INVIGILATION DUTY CHART- II & III Year

RIT/ECO/2022-2023(Even)/15 06.05.2023

The following Faculty members are informed to report at Examination Control Office before 15 minutes from the start of the Internal Assessment Test for carrying out the invigilation duty.

Test Timings: 1.45 p.m. to 4.45 p.m.

Sl. No.	Faculty Name	Wed	Thurs	Mon	Tue	Wed	Thurs
		10.05.23	11.05.23	15.05.23	16.05.23	17.05.23	18.05.23
1.	Dr.G.Karthikeyan	A3L01	B3R05				B3L04
2.	Mr.T.Chockalingam	B3L02	C2L04		C3R03		
3.	Mrs.D.Darling Helen Lydia	B3L03		C2L04			A3L01
4.	Mrs. R. Kalaimani		B3L04		C2L04		C3R03
5.	Mr. R. Muruganantham					B3L04	
6.	Mrs. A. Leema Margret	B3L04		B3R05			B3L03
7.	Mr.V. Ragavan	RHS		RHS	RHS	RHS	
8.	Dr.R.Venkatesh		B3L02		B3L04		
9.	Ms. P. Jothi Thilaga	B3R03		B3L04		C2L02	
10.	Mrs. S. Manjula		B3L03		B3R04		C3R01
11.	Mr.C.A.Yogaraja		RHS	RHS		RHS	RHS
12.	Mr. K. Vignesh Saravanan	B3R04	C2L02		B3R05		
13.	Ms. G. Sakthi Priya					C2R06	
14.	Dr. I Gethzi Ahila Poornima	B3R05		A3L01		B3R04	
15.	Dr.K.Vivekrabinson		A3L01		B3L03		C2L02
16.	Mrs.G.Mareeswari	C2L02		B3R04		A3L01	
17.	Mr. R. Dhamotharan	C2L03		B3L02		B3R05	
18.	Ms.K.Jeyageetha		B3R03	B3L03	A3L01		
19.	Mr.D.Karthik Prabhu		B3R04		C2L03		B3R05
20.	Mr.E.Thangam					B3L03	
21.	Mr. S. Meenakshi Sundaravel		C2L03		B3L02		B3R04
22.	Mr.A.S.Vigneshwar	C2L04		C2L03		C2R05	
23.	Mrs. S. Jeyanthi		C2L05		C2L02		B3L02
24.	Ms. S. Sharmila Kumari	C2L05		B3R03		C2L04	
25.	Mrs. G. Sivapriya	B3R02		C2L02		C2L05	
26.	Mr. A. Guna		C2R04		B3R03		C2L03
27.	Dr.S.Vairaprakash		C2R05			B3L02	
28.	Mrs.G.Gnanapriya	C2R04		A3L01			C3R02
29.	Mrs.V.SrirengaNachiyar	B3L05	C3R01			C2L03	
30.	Mrs.S.Jeeva		C2R06		A3L01		C2L01
31.	Mr.D.Gopinath	C2R05	C2L01			C2R04	
32.	Mr.A.Rameshbabu	RHS	RHS		RHS		RHS
33.	Mr.P.Gunasekaran	C2L01		B3L05	C2R06		
34.	Mr.P.Venkatesh		B3L05		C3R05		B3R03

Sl. No.	Faculty Name	Wed	Thurs	Mon	Tue	Wed	Thurs
		10.05.23	11.05.23	15.05.23	16.05.23	17.05.23	18.05.23
35.	Ms.S.Harini Shriram	C2R06		C2L01		B3L05	
36.	Dr.R.Rajalakshmi	C3R01		C2L05	C2R05		
37.	Mrs.G.Subhashini		C3R02		B3L05	C2L01	
38.	Ms. L.Krishna Kumari	Advancement Course – Invigilation Duty					
39.	Ms. R. Chandralekha						
40.	Dr.M.Lakshmanan	C3R02		C2R04	C2L01		
41.	Dr.V.Sivakumar		C3R05	C2R05			
42.	Dr. J. Jerold John Britto	C3R03		C2R06		B3R03	
43.	Mr.S.Maharajan			C3R01		C3R04	B3L05
44.	Mr.M.Sivagaminathan alias Balaji	C3R04			C3R01	C3R03	
45.	Mr. M. Ashok Kumar	C3R05		B3R02		C3R02	
46.	Mr.S.Valai Ganesh			C3R02		A3L01	B3R02
47.	Mr.L.Karthikeyan	A3L01	C3R03		C3R04		
48.	Mr.G.Prabu Ram		B3R02		C3R02	C3R05	
49.	Mr.R.Arun Kumar		C3R04	C3R05		B3R02	
50.	Mrs.B.Revathi		A3L01	C3R03		C3R01	
51.	Ms.S.Selva Birundha			C3R04	B3R02		A3L01

6/5/23 — 6/5/23 — 8/5/23

Controller of Examinations **Vice-Principal** **Principal**

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EXAMINATION CONTROL OFFICE
ACADEMIC YEAR 2022-2023 (EVEN SEMESTER)
INTERNAL ASSESSMENT TEST-III (R-2017)
INVIGILATION DUTY CHART- IV Year - Revised

RIT/ECO/2022-2023(Even)/13 03.05.2023

The following Faculty members are informed to report at Examination Control Office before 15 minutes from the start of the Internal Assessment Test-III for carrying out the invigilation duty.

Test Timings: 01.00 p.m. to 04.00 p.m.

Sl. No.	Faculty Name	08.05.2023	09.05.2023
		Monday	Tuesday
1.	Mr. R. Muruganantham	A3L01	B3R03
2.	Mr.E.Thangam	B3R05	A3L01
3.	Ms. G. Sakthi Priya	B3R03	B3R05

3/5/23 3/5/23 3/5/23

Controller of Examinations **Vice-Principal** **Principal**

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EXAMINATION CONTROL OFFICE
ACADEMIC YEAR 2022-2023 (EVEN SEMESTER)
INTERNAL ASSESSMENT TEST-III (R-2017)
INVIGILATION DUTY CHART- IV Year

RIT/ECO/2022-2023(Even)/12 02.05.2023

The following Faculty members are informed to report at Examination Control Office before 10 minutes from the start of the Internal Assessment Test-III for carrying out the invigilation duty.

Test Timings: 01.00 p.m. to 04.00 p.m.

Sl. No.	Faculty Name	08.05.2023 Tuesday	09.05.2023 Wednesday
1.	Mr. R. Muruganantham	A3L01	B3R03
2.	Mr.E.Thangam	B3R05	A3L01
3.	Mr. S. Kathiravan	B3R03	B3R05

2/5/23

Controller of Examinations **Vice-Principal** **Principal**

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EXAMINATION CONTROL OFFICE
ACADEMIC YEAR 2022-2023 (EVEN SEMESTER)
INTERNAL ASSESSMENT TEST-II (R-2017)
INVIGILATION DUTY CHART- III & IV Year

RIT/ECO/2022-2023(Even)/08 11.04.2023

The following Faculty members are informed to report at Examination Control Office before 10 minutes from the start of the Internal Assessment Test-II for carrying out the invigilation duty.

Test Timings: 03.20 p.m. to 04.50 p.m.

Sl. No.	Faculty Name	11.04.23 Tues	12.04.23 Wed	13.04.23 Thurs	17.04.23 Mon	18.04.23 Tues	19.04.23 Wed
1.	Mr. R. Muruganantham			C3R03	B3R02	C2R06	
2.	Mrs. A. Leema Margret	C2L04		B3R03		B3L04	
3.	Dr.R.Venkatesh		C2L04		C3R03		
4.	Mr.C.A.Yogaraja	B3L03			C2R06		
5.	Ms. G. Sakthi Priya			C2L02	C3R05	C2L04	
6.	Dr. I Gethzi Ahila Poornima		C2L02		C2R05		A3L01
7.	Mrs.G.Mareeswari		C3R03		C2L04	B3R05	
8.	Ms.K.Jeyageetha	C2L02	B3L03			C2R05	
9.	Mr.E.Thangam		A3L01	C2L04		C3R05	
10.	Mr. S. Meenakshi Sundaravel	C3R03			C2L02	C2L03	
11.	Ms. S. Sharmila Kumari		C3R04	C2R06		C3R03	
12.	Mr.D.Gopinath	C2L03		B3L03		A3L01	
13.	Mr.A.Rameshbabu		C2R06	C2R05			A3L01
14.	Mr.P.Venkatesh	A3L01				C2L02	B3R02
15.	Dr.R.Rajalakshmi		B3R02		B3R03		B3L02
16.	Dr.M.Lakshmanan	C3R04	C2R05	C3R05			
17.	Dr.V.Sivakumar			C3R04		B3R02	
18.	Mr. J. Jerold John Britto	C2R06		C2L03		C3R04	
19.	Mr.S.Maharajan	C3R05		A3L01		B3L03	
20.	Mr. M. Ashok Kumar	C2R05	C2L03				B3R03
21.	Mr.S.Valai Ganesh				C3R04	A3L01	B3L03
22.	Mr.G.Prabu Ram		C3R05	B3R02	C2L03		
23.	Mr.R.Arun Kumar		B3R03		A3L01		B3R05

11/4/23 11/4/23 11/4/23

Controller of Examinations **Vice-Principal** **Principal**

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EXAMINATION CONTROL OFFICE
ACADEMIC YEAR 2022-2023 (EVEN SEMESTER)
INTERNAL ASSESSMENT TEST-I (R-2021)
INVIGILATION DUTY CHART – II Year

RIT/ECO/2022-2023(Even)/05 21.03.2023

The following Faculty members are informed to report at Examination Control Office before 15 minutes from the start of the Internal Assessment Test-I (R-2021) for carrying out the invigilation duty.

Test Timings: 1.00 p.m. to 4.00 p.m.

Sl. No.	Faculty Name	23.03.2023	25.03.2023	27.03.2023	28.03.2023	29.03.2023	30.03.2023
		Thursday	Saturday	Monday	Tuesday	Wednesday	Thursday
1.	Dr.G.Karthikeyan	A3L01		B3R04		C2L02	
2.	Mr.T.Chockalingam		C3R02			C3R01	B3R04
3.	Mrs.D.Darling Helen Lydia		A3L01	C3R02		B3L05	
4.	Mrs. R. Kalaimani			C3R01	C2L02	A3L01	
5.	Mr.V. Ragavan	RHS*					
6.	Ms. P. Jothi Thilaga	B3L02	C3R01				B3L05
7.	Mrs. S. Manjula			C2L02	C3R01		B3R05
8.	Mr.K. Vignesh Saravanan		C2L02		B3L05		C3R01
9.	Dr.K.Vivekrabinson	A3L01			B3R04		C3R02
10.	Mrs.T.Shruthi	B3R04		B3L05		C3R02	
11.	Mr. R. Dhamotharan		B3L02		A3L01		C2R04
12.	Mr.D.Karthik Prabhu		B3L05	C2R04	C2L05		
13.	Mr.A.S.Vigneshwar	B3R05		A3L01			C2L01
14.	Mrs. S. Jeyanthi	C2L02	C2R04	B3L02			
15.	Mrs. G. Sivapriya	B3L05				B3R04	A3L01
16.	Mr. A. Guna	C2R04	C2R06		B3R05		
17.	Dr.S.Vairaprakash		A3L01		B3L02	C2L05	
18.	Mrs.G.Gnanapriya	C3R01		B3R05			C2L02
19.	Mrs.V.SrirengaNachiyar	C3R02		C2R06			B3L02
20.	Mrs.S.Jeeva		B3R05	C2L05		C2L01	
21.	Mr.P.Gunasekaran			B3R02	C2R04		C2L05
22.	Ms.S.Harini shriram	C2R06			C2L01	B3R05	
23.	Mrs.G.Subhashini	C2L05			B3R02	A3L01	
24.	Ms. L.Krishna Kumari	C2L01				C2R04	B3R02
25.	Ms. R. Chandralekha		C2L05			B3R02	C2R06
26.	Mr.M.Sivagaminathan alias Balaji		B3R02		A3L01	C2R06	
27.	Mr.L.Karthikeyan	B3R02	C2L01		C2R06		
28.	Mrs.B.Revathi		B3R04	C2L01			A3L01
29.	Mrs.S.Selva Birundha			A3L01	C3R02	B3L02	

*RHS - Reserve Hall Superintendent

21/03/2023
Controller of Examinations

-OL-
Vice-Principal

23.3.23
Principal

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EXAMINATION CONTROL OFFICE
ACADEMIC YEAR 2022-2023 (Odd Semester)

CIRCULAR

RIT/ECO/2022-2023(Odd)/06 12.09.2022

The **Internal Examination Squad members** have been nominated for the academic year 2022-2023(Odd Semester) with the following faculty members. The Squad Team should visit the examination halls during Test Timings to check the incidence of Malpractice if any and to ensure the smooth conduct of Internal Assessment Tests. If any instances of malpractice are found and/or violation is noticed in the code of conducting Internal Assessment Tests/Model Test, it should be brought to the notice of Examination Control Office immediately.

1. Mr. G. Karthikeyan, AP(SG)/Civil
2. Dr. V. Anusuya, ASP/CSE
3. Dr. M. Gomathy Nayagam, ASP/CSE
4. Dr. K. Karthikeyan, ASP/EEE
5. Dr. A. Azhagu Jaisudhan Pazhani, ASP/ECE
6. Dr. S. Vairaprakash, ASP/ECE
7. Dr. A. Lakshmi, ASP/ECE
8. Dr. P. Suresh Kumar, ASP /Mechanical
9. Dr. V. Sivakumar, ASP/Mechanical
10. Dr. S. Godwin Barnabas, ASP/Mechanical
11. Dr. S. Vimal, ASP/AD
12. Dr. N. Karthikeyan, AP(SG)/Physics
13. Dr. O. Senthilkumar, ASP/Chemistry
14. Dr. G. Kanthimathi, ASP/Chemistry
15. Dr. T. Manimaran, ASP/Mathematics
16. Dr. M. Anand, ASP/English

Suitable action as per the regulations of the Anna University and our College procedure will be taken against the students for violation of any code of conduct during Internal Assessment Tests. All squad members are requested to write the observations/remarks and put signature in the squad register maintained at Examination Control Office, after completing squad duty.

12/9/22
Faculty In-charge

12/9/2022
Professor In-charge

12/9/22
Vice-Principal

29.9.22
Principal

Copy to: 1) All HoDs and faculty members concerned for Information.
2) File.

Form No. EX 01 Rev.No.00 Effective Date: 18.01.2016

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ACADEMIC YEAR 2022-2023 ODD SEMESTER
II YEAR B.E/B.TECH PROGRAM
REGULATION 2021 **26.09.2022**

Internal Assessment Test Question paper guidelines

Internal Assessment Test -I

Unit	Part-A	Part-B	Marks
Unit-I	4 Questions	11a & 11b(16 marks) 12a & 12b(16 marks)	40
Unit-II	4 Questions	13a & 13b(16 marks) 14a & 14b(16 marks)	40
Unit-III	2 Questions	15a & 15b(16 marks)	20
		Total marks	100

Internal Assessment Test -II

Unit	Part-A	Part-B	Marks
Unit-III	2 Questions	11a & 11b (16 marks)	20
Unit-IV	4 Questions	12a & 12b (16 marks) 13a & 13b (16 marks)	40
Unit-V	4 Questions	14a & 14b (16 marks) 15a & 15b (16 marks)	40
		Total marks	100

Note

All the faculty members are requested to give awareness to the students about Part-C question. It may be asked in University End Semester Examination.

27/9/22
Academic Coordinator

27/9/22
Vice-Principal

27922
Principal

RAMCO INSTITUTE OF TECHNOLOGY
DEPARTMENT OF CIVIL ENGINEERING
INTERNAL ASSESSMENT TEST – III
EN8592 - WASTE WATER ENGINEERING

Semester and Branch : VI Semester B.E. Civil Engineering **Date: 18.05.2023**
Max. Marks: 100 **Time: 3 hours**

PART-A Answer ALL Questions (10x2=20 Marks)

1. Draw an oxygen sag curve for mild, heavy, and gross pollution. [CO4, L1]
2. What is dilution factor [CO4, L1]
3. Enlist methods of treated sewage effluent disposal. [CO4, L1]
4. What are the different classification of lakes [CO4, L1]
5. Write the standards of industrial sewage disposal for BOD and COD. [CO4, L1]
6. Define sludge conditioning [CO5, L1]
7. State the composition of biogas [CO5, L1]
8. What is meant by ripened sludge [CO5, L1]
9. What do you mean by two stage digestion of sewage? [CO5, L1]
10. What is sludge drying bed [CO5, L1]

PART-B Answer ALL Questions (5x13= 65 Marks)

11a. Discuss the different zones of pollution in a river stream. [CO4, L2, PI: 7.1.2] (13 Marks)

OR

11b. A city discharges 20,000 m^3/day of sewage into a river whose rate of flow is 0.7 m^3/s. Determine D.O deficit profile from the following data. **River:** BOD_5@20°C = 3.4 mg/L, Temperature = 23°C, DO = 2.0 mg/L. **Sewage from STP:** 45 mg/L, Temperature = 26°C, DO = 2.0 mg/L. Velocity of the mix = 0.25 m/s, K_R = 0.4, K_D = 0.23. [CO4, L2, PI: 1.2.1] (13 Marks)

12a. Discuss dilution method of sewage disposal in detail. [CO4, L2, PI: 1.2.1] (13 Marks)

OR

12b. Explain in detail about sodium hazards [CO4, L2, PI: 7.1.1] (13 Marks)

13a.i) Derive the classical Streeter-Phelps oxygen sag curve. [CO4, L3, PI: 7.1.2] (7 Marks)

ii) State the objectives of sludge treatment in detail [CO5, L2, PI: 1.3.1] (6 Marks)

OR

13b.i) Summarize the stratifications in lakes. [CO4, L2, PI: 7.1.2] (6 Marks)

ii) Discuss any two new techniques for sludge disposal. [CO5, L2, PI: 1.3.1] (7 Marks)

14a. Explain the characteristics of sludge and how biogas can be recovered. [CO5, L2, PI:1.3.1] (13 Marks)

OR

14b. Summarize the sludge digestion process for biogas recovery. [CO5, L2, PI: 7.1.2] (13 Marks)

15a. With the help of neat sketches explain the process, types and gas collection of anaerobic sludge digester. [CO5, L2, PI: 1.3.1] (13 Marks)

OR

15b. State the need for sludge dewatering and explain various methods adopted for sludge conditioning and dewatering. [CO5, L2, PI: 7.1.2] (13 Marks)

PART-C Answer ALL Questions (1x15= 15 Marks)

16a. A river discharges 22 m^3/s and receives wastewater discharge of 5 m^3/s. The initial DO of the river water is 6.3 mg/L the and DO content in the wastewater is 0.6 mg/L. The five-day BOD in the river water is 3 mg/L, and the wastewater added to the river has a five-day BOD of 130 mg/L.

Consider saturation DO of 8.22 mg/L and deoxygenation and reoxygenation constant values like 0.1 and 0.3 per day respectively. The average velocity of flow in the stream after the mixing of wastewater is 0.18 m/sec. if the river forms a source of water for the town at 30 km downstream, by applying the DO sag model identify the zone prevailing and suitability for uptake of water for the town at the point. Give your inference on the result. [CO4, L3, PI: 1.2.1,7.1.1] (15 Marks)

OR

16b. Differentiate low rate and high-rate sludge digesters. A high-rate digester plant is used to digest primary sludge with the following data; quantity of wastewater = 50000 m^3/d, raw effluent suspended solids (SS) concentration = 350 mg/L, SS removal efficiency in primary sedimentation tank = 75%, SS concentration in primary sludge = 35 kg/m^3, solids retention time required for volatile solids destruction = 20 days, diameter of the tank = 25 m. determine the total depth of the tank.

[CO5, L3, PI: 1.3.1] (15 Marks)

CO4: Students will be able to explain the standard methods of sewage disposal in land and water and make use of the Streeter–Phelps model in solving problems on self-purification of streams.
CO5: Students will be able to summarize sludge characterization, thickening, digestion, conditioning, dewatering, drying, ultimate disposal, and recent advancements and solve problems on the design of sludge thickeners and digesters.
L1: Remember; L2: Understand; L3: Apply

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RAMCO INSTITUTE OF TECHNOLOGY
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
INTERNAL ASSESSMENT TEST – III
EC8552 – COMPUTER ARCHITECTURE AND ORGANISATION

Semester and Branch: V Semester B.E. ECE **Date: 16.11.2022**
Max. Marks: 100 **Time: 3 hours**

PART-A Answer ALL Questions (10x2=20 Marks)

1. Draw the memory hierarchy diagram. [CO4, L1]
2. Compare parallel and serial bus architectures. [CO4, L2]
3. What does the memory chip 1024 x 256 denote? [CO4, L2]
4. Differentiate virtual and physical address space. [CO4, L2]
5. Mention the uses of input and output devices. List some examples for both the kind of devices. [CO4, L1]
6. What are UMA? Why they are called so? [CO5, L2]
7. Define multicore architectures. Give some examples. [CO5, L1]
8. What are CUDA threads? [CO5, L2]
9. Compare hardware and software multithreading. [CO5, L2]
10. What are clusters? [CO5, L1]

PART-B Answer ALL Questions (5x13= 65 Marks)

11 a Assume the miss rate of an instruction cache is 2% and the miss rate of the data cache is 4%. If a processor has a CPI of 2 without any memory stalls and the miss penalty is 100 cycles for all misses, determine how much faster a processor would run with a perfect cache that never missed. Assume the frequency of all loads and stores is 36%. [CO4, L3] (13 marks)

(OR)

11 b Suppose we have a processor with a base CPI of 1.0, assuming all references hit in the primary cache, and a clock rate of 4 GHz. Assume a main memory access time of 100 ns, including all the miss handling. Suppose the miss rate per instruction at the primary cache is 2%. How much faster will the processor be if we add a secondary cache that has a 5 ns access time for either a hit or a miss and is large enough to reduce the miss rate to main memory to 0.5%? [CO4, L3] (13 marks)

12 a Discuss in detail about parallel bus architecture with a neat diagram. [CO4, L2] (13 marks)

(OR)

12 b List various mass storage devices. Explain the working of any one device with necessary diagrams. [CO4, L2] (13 marks)

13 a (i) Explain the role of virtual memory in computer architecture. [CO4, L2] (7 marks)

a (ii) Write short notes on graphics processing unit. [CO5, L2] (6 marks)

(OR)

13 b (i) Mention the significance of network topology in multiprocessor systems. [CO4, L2] (6 marks)

b(ii) Give brief account on various parallel processing architectures and mention the challenges in them. [CO5, L2] (7 marks)

14 a Give a brief account on various multicore architectures. [CO5, L2] (13 marks)

(OR)

14 b What is multithreading? Explain in detail about hardware multithreading. [CO5, L2] (13 marks)

15 a Discuss elaborately the cache coherence protocols used in the multiprocessor systems. [CO5, L2] (13 marks)

(OR)

15 b Explain the architecture of warehouse scale computer with neat diagrams. [CO5, L2] (13 marks)

PART-C Answer ALL Questions (1x15= 15 Marks)

16 a Cache coherence concerns the views of multiple processors on a given cache block. The following data shows two processors and their read/write operations on two different words of a cache block X (initially X[0] = X[1] = 0). Assume the size of integers is 32 bits.

P1	**P2**
X[0] ++; X[1] = 3;	X[0] = 5; X[1] +=2;

A. List the possible values of the given cache block for a correct cache coherence protocol implementation. List at least one more possible value of the block if the protocol doesn't ensure cache coherency.

B. For a snooping protocol, list a valid operation sequence on each processor/cache to finish the above read/write operations. [CO5, L3] (15 marks)

CO4: The students will be able to Explain the concept of various memories, interfacing and organization of multiple processors.
CO5: The students will be able to Interpret the various parallel processing architectures, principles and their challenges
L1: Remember; L2: Understand; L3: Apply; L4: Analyzing.

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Reg. No.												

RAMCO INSTITUTE OF TECHNOLOGY
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
INTERNAL ASSESSMENT TEST- II
CS8601 MOBILE COMPUTING

Semester and Branch: VI Semester B.E CSE **Date: 18.04.2023**
Max. Marks: 50 **Time: 90 min.**

PART-A Answer ALL Questions (5x2=10 Marks)

1. State the functionality of GGSN. [CO2, L1]
2. Identify the similarities ad dissimilarities between GSM network and UMTS network. [CO2, L1]
3. Distinguish between proactive and reactive protocol. [CO3, L2]
4. What is the purpose of agent solicitation message? [CO3, L1]
5. Write short notes on VANETs. [CO3, L1]

PART-B Answer ALL Questions ((1x12) + (1x13) =25 Marks)

6a. Describe route discovery and route maintenance mechanism in DSR with illustrations. List its merits and demerits. [CO3, L2, PI: 2.6.3, 2.7.1] (12 Marks)

OR

6b. i) Illustrate packet delivery mechanism in Mobile IP network with a neat diagram. [CO3, L2, PI: 2.6.3, 2.7.1] (6 Marks)

ii) Explain the agent discovery process in Mobile IP. [CO3, L2, PI: 2.6.3, 2.7.1] (6 Marks)

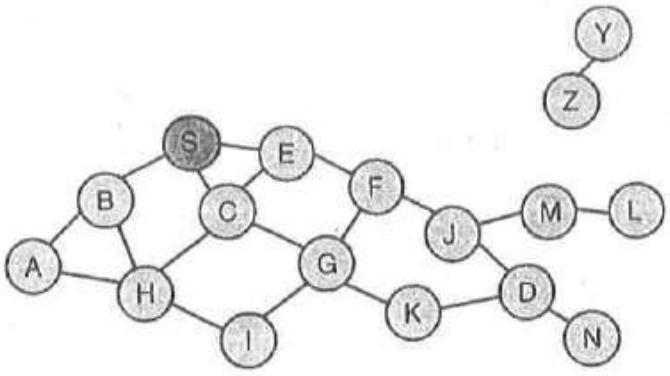
7a. Explain in detail about UMTS architecture and its security. [CO2, L2, PI: 2.6.3, 2.7.1] (13 Marks)

OR

7b. Explain the GPRS architecture reference model and its security with a neat diagram. [CO2, L2, PI: 2.6.3, 2.7.1] (13 Marks)

PART-C Answer ALL Questions (1x15=15 Marks)

8a. Consider the network given below. Here 'S' is source node and 'D' is target node. Illustrate the process of route discovery, route reply, data delivery and route caching using DSR. Explain the approach. [CO3, L3, PI: 2.5.2, 2.7.1] (15 Marks)



OR

8b. What are the main functions of DHCP? Why is DHCP needed? Can it be used when nodes are mobile? Explain your answer in detail. [CO3, L3, PI: 2.6.3, 2.7.1] (15 Marks)

CO2: The students will be able to illustrate the generations of mobile telecommunication systems in wireless networks
CO3: The students will be able to determine the functionality of MAC, network layer and identify a routing protocol for a given adhoc network.
L1: Remember; L2: Understand; L3: Apply

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RAMCO INSTITUTE OF TECHNOLOGY
DEPARTMENT OF CIVIL ENGINEERING
INTERNAL ASSESMENT TEST - II
CE3301 – FLUID MECHANICS
Regulation 2021

Semester and Branch: III Semester B.E. Civil **Date: 16.12.2022**
Max. Marks: 100 **Time: 3 hours**

PART-A Answer ALL Questions (10x2=20 Marks)

1. What do you know by the term 'Distorted models'? [CO3, L1]
2.State the Buckingham Pi theorem. [CO3, L2]
3.What is the condition for turbulent flow based on Reynold's number? [CO4, L2]
4.List any four examples for minor losses in pipes. [CO4, L2]
5.Write the Darcy-weisbach equation for the loss of head due to friction. [CO4, L2]
6.When the Reynold's number is called critical? [CO4, L1]
7.What do you understand by the term boundary layer? [CO5, L2]
8.Define energy thickness in boundary layer. [CO5, L2]
9.What is the effect of pressure gradient on boundary layer separation? [CO5, L2]
10.Define displacement thickness. [CO5, L1]

PART-B Answer ALL Questions (5x16= 80 Marks)

11a.Using Buckingham pi theorem, show that the velocity through a circular orifice is given by $v = \sqrt{2gh}\, f(\frac{D}{H}, \frac{\mu}{\rho v H})$, Here H is head causing flow, D is diameter of orifice, μ is co-efficient of viscosity, ρ is mass density and g is acceleration due to gravity. [CO3, L3](16 Marks)

OR

11b.A 1:16 scale model was tested in fresh water at a corresponding velocity. The prototype flying boat has to move in sea water of specific weight 10105 N/m^3 at velocity of 25 m/s. Calculate the corresponding speed of the model. If the wave making resistance of the prototype is estimated to be 5490 N, what would be the corresponding wave making resistance of the model.
[CO3, L3] (16 Marks)

12a. Derive Hagen-Poiseuille equation and state the assumptions made. [CO4, L3] (16 Marks)

OR

12b.A horizontal pipe line 40 m long is connected to a water tank at one end and discharges freely into the atmosphere at the other end. For the first 25m of its length from the tank, the pipe is 15cm diameter and its diameter is suddenly enlarged to 30cm. The height of water level in the tank is 8m above the center of the pipe. Considering all losses of head which occur, determine the rate of flow. Take f = 0.01 for both sections of the pipe. [CO4, L3] (16 Marks)

13a. Four pipes of diameters 20 cm, 30 cm, 20 cm and 30 cm lengths 400 m, 250 m, 400 m and 250 m respectively are connected in series. The difference in water surface levels in two tanks is 20 m. Determine the rate of flow of water, if the co-efficient of friction are 0.0072, 0.0075,0.0077 and 0.0079 respectively, consider all losses. [CO4, L3] (16 Marks)

OR

13b. Two pipes of length 500 m each and diameters 30 cm and 50 cm respectively are connected in parallel. The coefficient of friction for each pipe is 0.002, the total flow is 100 lps. Find the rate of flow in each pipe. [CO4, L3] (16 Marks)

14a. The velocity distribution in the boundary layer is given by $u/U = 3/2\ (y/\delta)-1/2\ (y/\delta)^2$ where δ = boundary layer thickness, find the displacement thickness, the momentum thickness and energy thickness. [CO5, L3] (16 Marks)

OR

14b.i) The velocity distribution in the boundary layer over a high spillway face was of the form $u/U = (y/\delta)^{0.22}$. Show that the ratio of momentum thickness to boundary layer thickness as 0.125. [CO5, L3] (10 Marks)

ii) Explain the characteristics of laminar and turbulent boundary layer. [CO5, L3] (6 Marks)

15a. If velocity distribution in laminar boundary layer over a flat plate is assumed to be given by second order polynomial $u = a+by+cy^2$, determine its form using the necessary boundary conditions. [CO5, L3] (16 Marks)

OR

15b. Obtain an expression for the displacement thickness, momentum thickness and energy thickness of boundary layer flow. [CO5, L3] (16 Marks)

CO3: Discuss the concepts about dimensional and model analysis
CO4: Illustrate the types of flows and losses of flow in pipes
CO5: Describe the boundary layer concepts and solve typical numerical problems
CO6: Measure velocity and fluid flow rates using flow measuring devices

L1- Remember; L2; Understand; L3: Apply

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EXAMINATION CONTROL OFFICE
Academic Year 2022-23 (Odd Semester)

02.11.2022

Submitted to the Principal:

Sir,

As per Anna University guidelines for R-2017 three Internal Assessment Tests are conducted at every semester. To enhance the standard of Internal Assessment Test Question papers, it is planned to frame the question paper by external expert members for Internal Assessment Test III (R-2017). The Question papers are planned to be framed by various external experts. In this regard, we propose the remuneration details for setting the Question papers as follows:

Sl.No.	Department	No. of Courses	No. of Question Papers	Amount in Rs.
1.	Civil	7	7	7,000
2.	CSE	7	7	7,000
3.	EEE	5	5	5,000
4.	ECE	8	8	8,000
5.	Mech.	7	7	7,000
6.	Mathematics	1	1	1,000
7.	Chemistry	1	1	1,000
	Total	**36**	**36**	**36,000/-**

Head of Account: RIT/Examcell/Miscellaneous expenses/Question Paper framing from external faculty members.

We request you kind approval sir.

2/11/22
Controller of Examinations

2/11/22
Vice-Principal

3/11/22
Principal

RAMCO INSTITUTE OF TECHNOLOGY

Approved by AICTE, New Delhi & Affiliated to Anna University
Accredited by NAAC & An ISO 9001:2015 Certified Institution
NBA Accredited UG Programs: CSE, EEE, ECE and MECH

QUESTION PAPER FRAMING BY EXTERNAL EXPERT MEMBERS

LIST OF SUBJECTS

CIVIL

VII Semester		V Semester	
V01	CE8701 – Estimation, Costing and Valuation Engineering	V07	CE8501 – Design of Reinforced Cement Concrete Elements
V03	CE8703 – Structural Design and Drawing	V08	CE8502 – Structural Analysis I
V04	EN8591 – Municipal Solid Waste Management	V10	CE8591 – Foundation Engineering

CSE

VII Semester		V Semester	
S01	CS8792 – Cryptography and Network Security	S05	CS8591 – Computer Networks
S03	CS8392 – Object Oriented Programming	S06	CS8501 – Theory of Computation
		S07	CS8592 – Object Oriented Analysis and Design
		S08	OIT551- Database Management Systems

EEE

VII Semester		V Semester	
E01	EE8701 – High Voltage Engineering	E05	EE8501 – Power System Analysis
E02	EE8702 – Power System Operation and Control	E06	EE8552 – Power Electronics
E03	EE8703 – Renewable Energy Systems		

3.2.22

ECE

VII Semester		V Semester	
C01	EC8701 – Antennas and Microwave Engineering	C06	EE8591 – Digital Signal processing
C02	EC8751 – Optical Communication	C08	EC8501 – Digital Communication
C03	EC8791 – Embedded and Real Time Systems	C09	EC8553 – Discrete-Time Signal Processing
		C10	EC8552 – Computer Architecture and Organization
		C11	EC8551 – Communication Networks

MECH

VII Semester		V Semester	
H02	ME8793 – Process Planning and Cost Estimation	H11	ME8595 – Thermal Engineering - II
H08	ME8097 – Non Destructive Testing and Evaluation	H12	ME8593 – Design of Machine Elements
		H14	ME8594 – Dynamics of Machines

MATHEMATICS

V Semester	
A01	MA8551 – Algebra and Number Theory

CHEMISTRY

V Semester	
M01	OCE551 – Air Pollution and Control Engineering

30/11/22
Controller of Examinations

30/11/22
Vice-Principal

30/11/22
Principal

RAMCO INSTITUTE OF TECHNOLOGY
EXAMINATION CONTROL OFFICE

Academic Year 2022– 23 (Odd Semester)

EXTERNAL EXPERT ACOCUNT DETAILS

30.11.2022

Sl. No.	Department	Name of the Expert Member	Amount in Rs.	Account Details
1.	Civil	Dr. R. Velkennedy	2000	Account Name : Dr. R. Velkennedy, Account Number : 1346101015530 Bank Name : Canara Bank Bank Address : Tirunagar, Madurai - 625 006. IFSC Code : CNRB0001346 MICR Code : 625015011
2.	Civil	Dr. M. P. Muthuraj	1000	Account Name: M.P.MUTHURAJ Account Number: 475823842 IFSC Code: IDIB000S107 Bank Name:INDIAN BANK Bank branch and Address:PEELAMEDU BRANCH CIT CAMPUS, COIMBATORE
3.	Civil	Dr. A.K. Priya	1000	Account Name: A K Priya Account Number: 99980106767374 IFSC Code: FDRL0009998 Bank Name:Federal Bank branch and Address: Coimbatore
4.	Civil	Dr. K. Aarthi	1000	Name : K AARTHI Account Number : 10968424506 State Bank of India Subramaniapuram branch, Karaikudi. Branch code: 855 IFSC Code: SBIN0000855.
5.	Civil	Dr. L. Andal	1000	Account Name : L.Andal Account Number: 254501000000301 IFSC Code:IOBA0002545 Bank Name:Indian Overseas Bank Bank branch and Address: Anuppanadi Branch: Velammal Village Ring Road, Near Chinthamani Toll Gate, Madurai - 625009
6.	CSE	Dr. P. Golda Jeyasheeli	1000	Account Name: P. Golda Jeyasheeli Account Number:0031 0071 0400302 IFSC Code: TMBL0000003 Bank Name: Tamilnad Mercantile Bank Ltd Address : 1-2-1 Suviseshamuthu Vathyar Street, Sivakasi-626123

Sl. No.	Department	Name of the Expert Member	Amount in Rs.	Account Details
7.	CSE	Dr. R. Deepalakshmi	4000	Account number:254501000000794 Account holder name: R.Deepalakshmi Bank name:IOB IFSC code:IOBA0002545
8.	CSE	Dr. R. Mohan	2000	Account Name: R. Mohan Account Number:30328597909 IFSC Code:SBIN0001617 Bank Name: State Bank of India Bank branch and Address:SBI, NIT Trichy Branch, Trichy -620015
9.	CSE	Dr.G.R.Sreekanth	1000	Account Name: G.R. SREEKANTH Account Number: 1247 155 0000 22500 IFSC Code:KVBL0001247 Bank Name: KARUR VYSYA BANK Bank branch and Address: KEC NAGAR, PERUNDURAI
10.	EEE	Dr. S. Saravanan	1000	Account Name: S SARAVANAN Account Number: 62500644264 IFSC Code: SBIN0020105 Bank Name: SBI Bank branch and Address Narsapur
11.	EEE	Mr. R. Chandrasekaran	4000	NAME ; R.CHANDRASEKARAN ACC. NO : 0195301000006278 IFSC CODE : DBSS0IN0193 BANK NAME : LAKSHMI VILAS BANK BRANCH : ECHANARI
12.	EEE	Dr. A. Shunmugalatha	1000	Account Name: Alagarsamy Shunmugalatha Account Number: 254501000000313 IFSC Code: IOBA0002545 Indian Overseas Bank, Anuppanadi, Madurai - 625 009
13.	EEE	Ms.C.V.Pavithra	1000	Account Name: Savings Account Number: 3989974976 IFSC Code: CBIN0280913 Bank Name: Central Bank of India Bank branch and Address: Peelamedu Branch Psg Tech Campus, Avinashi Road, Peelamedu, Coimbatore - 641004, Tamil Nadu. Branch code is 280913
14.	ECE	Dr. S. Vasuki	2000	Account Name: S.Vasuki Account Number: 254501000000413 IFSC Code:IOBA0002545 Bank Name: Indian Overseas Bank Branch & Address: Anuppanadi,Madurai.

Sl. No.	Department	Name of the Expert Member	Amount in Rs.	Account Details
15.	ECE	Dr.D.Mary Suganatharathnam	1000	Account name - D.Mary Sugantharathnam Account No 8656101000750 IFSC code. ...CNRB0008656 Bank Name.....Canara Bank Bank branch and address....Govt.college of Engineering, Tirunelveli 627007
16.	ECE	Dr.K.Hariharan	1000	Account Name: K.HARIHARAN Account Number: 601301907538 IFSC Code: ICIC0000563 Bank Name: ICICI-TCE Branch Madurai Bank branch and Address: ICICI Bank, Madurai, TCE Branch,TPK,Madurai-15
17.	ECE	Dr.V. Arun,	2000	Account Name: Arun.v Account Number:380401000000012 IFSC Code: IOBA0001580 Bank Name: INDIAN OVERSEAS BANK Bank branch and Address: Bypass Road Madurai.
18.	ECE	Dr.G.Ananthi	1000	Account Name: G. ANANTHI Account Number: 003 100 710 401 294 IFSC Code: TMBL0000003 Bank Name: TMB Bank branch and Address: SIVAKASI
19.	ECE	Dr.T.Balakumaran	1000	Account Name: Balakumaran T Account Number: 896027931 IFSC Code: IDIB000S107 Bank Name: Indian bank, Bank branch and Address: Peelamedu, Coimbatore
20.	Mechanical	Dr. Selwin Rajadurai	1000	Bank Account Details: A/c Number : 10482095885 State Bank of India, Palayamkottai IFSC Code: SBIN0001619
21.	Mechanical	Dr. A. Vasanthanathan	1000	Account Name: A.Vasanthanathan Account Number : 003100050306365 IFSC Code: TMBL0000003 Bank Name: TMB Bank branch and Address: Sivakasi
22.	Mechanical	Dr. G. Sivakumar	1000	Account Name: G. SIVAKUMAR Account Number:840464603 IFSC Code:IDIB000S107 Bank Name:Indian Bank Bank branch and Address: Peelamedu Branch & CIT College Campus, Civil AerodromePost,Coimbatore-641014.

30/11/22

Sl. No.	Department	Name of the Expert Member	Amount in Rs.	Account Details
23.	Mechanical	Mr. M. S. Govardhanan	1000	Account Name: M.S.Govardhanan Account Number: 056301500363 IFSC code: ICIC0000563 Name of the Bank: ICICI bank Branch and Address of the Bank: TCE branch , Madurai -15
24.	Mechanical	Mr. N. Naganambi	1000	Account Name: Naganambi Nambirajan Account Number: 003100720602314 IFSC Code: TMBL0000003 Bank Name: TMB Bank branch and Address: 003 Sivakasi, 1-2-1 Suviseshamuthu Vathiyar Street, Post Box No.14
25.	Mathematics	Dr.N.Nagaveni	1000	Account Name: SB account, N.Nagaveni Account Number:475746004 IFSC Code: IDIB000S107 Bank Name:Indian Bank Bank branch and Address: Peelamedu Branch, CIT College Campus, Aerodrome Post, Coimbatore -14 CBS Code: 01354.
26.	Chemsitry	Dr.K.Senthilkumar	1000	Account Name: K. Senthil Kumar Account Number:32534435857 IFSC Code:SBIN0009105 Bank Name: State Bank of India Bank branch and Address: MALKI (DHANKHETI), & East Khasi Hills, Shillong
		Total	**Rs.36,000**	

30/11/22
Controller of Examinations

30/11/22
Vice-Principal

30/11/22
Principal

RECEIPT OF QUESTION PAPER THROUGH EMAIL

28.11.2022

1. Dr. R. Velkennedy

VO1 & V10 :

Internal Assessment Test – III (ACCME)

	Part A	Part B	Part C	Marks Allotted
UNIT IV	5 Questions	11a & 11b (13 Marks) 12a & 12b (13 Marks) 13a(i) (7 Marks) 13a(ii) (6 Marks)	16b (15 Marks)	47/50 Marks
UNIT V	5 Questions	13a(i) (6 Marks) 13a(ii) (7 Marks) 14a & 14b (13 Marks) 15a & 15b (13 Marks)	16b (15 Marks)	47/42 Marks
			Total	100 Marks

5 Attachments • Scanned by Gmail ⓘ

V01 - Portion Det... V01 - Question Pa... V10 - Portion Det... V10 - Question Pa... Revised Bloom's T...

CE8591 - Foundation Engineering QP - reg. External Inbox x

Fri, Nov 11, 2:08 PM

Dr R Velkennedy
to me

Sir,
Herewith I've attached the Question paper for the above mentioned subject. Please find the attachment

With regards,
Dr R.Velkennedy
Dean ECA and Professor
Department of Civil Engineering
Thiagarajar College of Engineering
Madurai - 625015
Tamilnadu INDIA
M 9488656123

One attachment • Scanned by Gmail ⓘ

R2T Foundation Q...

CE8701 – ESTIMATION, COSTING AND VALUATION ENGINEERING QP - reg.

External Inbox x

Sat, Nov 19, 2:30 PM (3 days ago)

Dr R Velkennedy
to me

Sir,
Herewith I've attached the Question paper for the above mentioned subject. Please find the attachment

With regards,
Dr R.Velkennedy
Dean ECA and Professor
Department of Civil Engineering
Thiagarajar College of Engineering
Madurai - 625015
Tamilnadu INDIA
M 9488656123

One attachment • Scanned by Gmail ⓘ

R2T Estimation Q...

RAMCO INSTITUTE OF TECHNOLOGY

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NBA Accredited UG Programs: CSE, EEE, ECE and MECH

EXAMINATION CONTROL OFFICE
Academic Year 2022-23 (Odd Semester)

09.03.2023

Submitted to the Principal:

Sir,

As per Anna University guidelines for R-2021 two Internal Assessment Tests are conducted at every semester. To enhance the standard of Internal Assessment Test Question papers, it is planned to frame the question paper by external expert members for Internal Assessment Test II (R-2021) for I Semester Students. The Question papers are planned to be framed by various external experts. In this regard, we propose the remuneration details for setting the Question papers as follows:

Sl.No.	Subjects	No. of Question Papers	Amount in Rs.
1.	MA3151	1	1000
2.	PH3151	1	1000
3.	CY3151	1	1000
4.	GE3151	1	1000
	Total	**4**	**4000/-**

Head of Account: RIT/Examcell/Miscellaneous expenses/Question Paper framing from external faculty members.

We request your kind approval sir.

9/3/23
Controller of Examinations

9/3/23
Vice-Principal

9/3/23
Principal

RAMCO INSTITUTE OF TECHNOLOGY
EXAMINATION CONTROL OFFICE

QUESTION PAPER SETTING DETAILS – INTERNAL ASSESSMENT TEST II (R2021- I Semester)

20.03.2023

Sl. No.	Department	Name of the expert member	Amount in Rs.	Account Details
1.	Mathematics	Dr.N.Nagaveni	1000/-	Account Name: SB account, N.Nagaveni Account Number:475746004 IFSC Code: IDIB000S107 Bank Name:Indian Bank Bank branch and Address: Peelamedu Branch, CIT College Campus, Aerodrome Post, Coimbatore -14 CBS Code: 01354.
2.	Physics	Dr.S.Maruthamuthu	1000/-	Account Name: Mr. Maruthamuthu.S Account Number: 00000011104034464 IFSC Code: SBIN0015764 Bank Name: State Bank of India Bank branch : Chinnampalayam
3.	Chemistry	Dr. Baskaralingam	1000/-	Account Name: P.Baskaralingam Account Number: 10497037075 IFSC Code: SBIN0006463 Bank Name: State Bank of India Bank branch and Address: Anna University, Chennai - 25
4.	Python	Dr. S. Devi Mahalakshmi	1000/-	Name: S.Devi Mahalakshmi BankAccount Number:3100710400297 IFSC Code: TMBL0000003 Tamilnad Mercantile Bank, Sivakasi.

20/03/23
Controller of Examinations

20/3/23
Vice-Principal

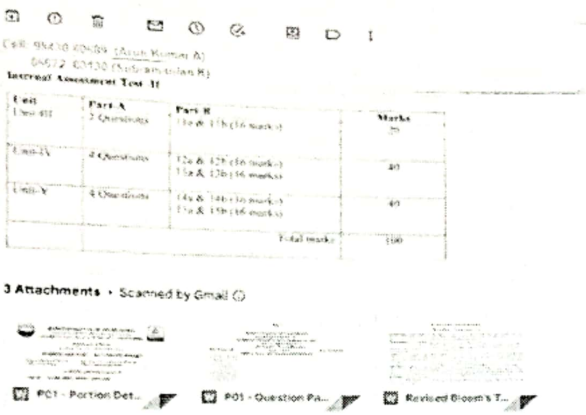
20/3/23
Principal

RECEIPT OF QUESTION PAPER THROUGH EMAIL

20.03.2023

1. Dr. S. Maruthamuthu

P01 :

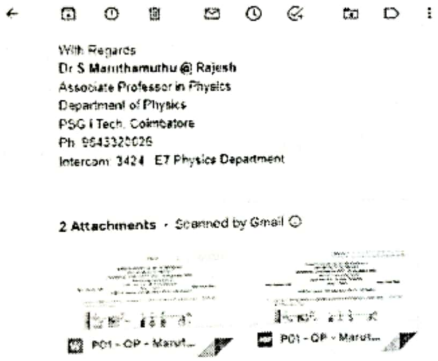


Internal Assessment Test II

Unit	Part A	Part B	Marks
Unit-III	2 Questions	11a & 11b (16 marks)	20
Unit-IV	4 Questions	12a & 12b (16 marks) 13a & 13b (16 marks)	40
Unit-V	4 Questions	14a & 14b (16 marks) 15a & 15b (16 marks)	40
		Total marks	100

3 Attachments • Scanned by Gmail

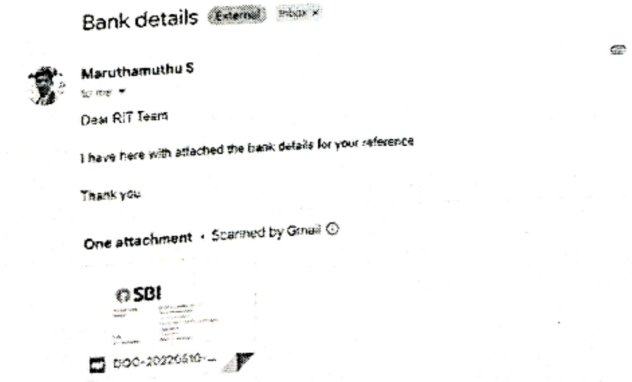
P01 - Portion Det... P01 - Question Pa... Revised Bloom's T...



With Regards
Dr S Maruthamuthu @ Rajesh
Associate Professor in Physics
Department of Physics
PSG i Tech, Coimbatore
Ph: 9943320026
Intercom: 3424 E7 Physics Department

2 Attachments • Scanned by Gmail

P01 - QP - Maruth... P01 - QP - Maruth...



Bank details External Inbox ×

Maruthamuthu S

Dear RIT Team

I have here with attached the bank details for your reference

Thank you

One attachment • Scanned by Gmail

SBI

DOC-20220610-...

RAMCO INSTITUTE OF TECHNOLOGY

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EXAMINATION CONTROL OFFICE

Academic Year: 2022-23 (Odd Semester)

CIRCULAR

RIT/ECO/2022-2023 (Odd)/05 08.09.2022

A scrutinizing Committee is constituted for scrutinizing Internal Assessment Test Question papers. The chairman details are as follows.

1. Dr. S. Dharmar, HoD/Civil
2. Dr.K.Vijayalakshmi, HoD/CSE
3. Dr. S. Kannan, HoD/EEE
4. Dr. B. Deepa Lakshmi, HoD/ECE
5. Dr. S. Rajakarunakaran, HoD/Mech.
6. Dr. O. Senthilkumar, HoD/Chemistry
7. Dr. K. Basarikodi, HoD/Maths

All the above chairmans are requested to report to RIT – Exam Control Office on 09.09.2022 from 12.00 P.M. to 1.00 P.M. to scrutinize the question papers and share the valuable comments.

8/9/22 8/9/2022 8/9/22 8922

Faculty In-charge **Professor In-charge** **Vice-Principal** **Principal**

AMCO INSTITUTE OF TECHNOLOGY
EXAMINATION CONTROL OFFICE
Academic Year 2022- 2023 (Even Semester)

INTERNAL ASSESSMENT TEST - II EVALUATION DETAILS (R-2021)

Degree, Semester & Branch: IV Semester B.E. Mechanical Engineering 'A'

Sl. No.	Subject	Faculty Name	No. of Answer Scripts	Date & Time of Receiving the Answer Papers	Signature	Date & Time of returning the Answer Papers	Register No. of Sample Answer Booklets	Signature
1	ME3491 – Theory of Machines	Mr. L. Karthikeyan	64	18-5-23 11.00am	L.	22.05.23 4.30pm	953621114004, 08, 035, 52, 304	L.
2	ME3451 – Thermal Engineering	Mr.M.Sivagaminathan @ Balaji	64	16.5.2023 9.48 Am	M. Sivagaminathan 16.5.23	18.7.23 11.31 Am	6, 4, 42, ~~24~~, 308, 308	M. Sivagaminathan 18.7.23
3	ME3492 – Hydraulics and Pneumatics	Mr. S. Valai Ganesh	63	13/3/23 11.50am		24.05.2023 2.50pm	953621114002-009 022, 041, 304	
4	ME3493 – Manufacturing Technology	Mr. S. Maharajan	63	11/5/2023 & 5.20pm		23.05.2023 10.05AM	9536 2111 4302 4005 4043 4020 4007	
5	CE3491 – Strength of Materials	Dr. P. Sureshkumar	64	17/5/2023 & 9.15am		06.06.23 12.30pm	9536 2111 4040 4002, 4039, 4016, 4012	
6	GE3451 - Environmental Science and Sustainability	Dr. O. Senthilkumar	64	19/5/23 11:45 AM		14.6.23 11:30 Am	—	

Faculty In-charge

RAMCO INSTITUTE OF TECHNOLOGY
EXAMINATION CONTROL OFFICE
Academic Year 2022- 2023 (Even Semester)

INTERNAL ASSESSMENT TEST - I EVALUATION DETAILS (R-2021)

Degree, Semester & Branch: IV Semester B.E. Electronics and Communication Engineering 'A'

Sl. No.	Subject	Faculty Name	No. of Answer Scripts	Date & Time of Receiving the Answer Papers	Signature	Date & Time of returning the Answer Papers	Register No. of Sample Answer Booklets	Signature
1	EC3452 – Electromagnetic Fields	Mrs. S. Jeeva	63	24.03.2023 09:50 am	24/3/23	30.03.2023 02:10 pm	953621106014, 023, 031, 048, 305	30/3/23
2	EC3401 – Networks and Security	Ms. L. Krishna Kumari	63	28.03.2023 09.00am	28/3/23	30.03.2023 2.00pm	953621106025, 4,36,4053	30/3/23
3	EC3451 – Linear Integrated Circuits	Mrs. G. Subhashini	63	27.3.23 4:45 PM	28/3/23	1/4/23 5:00 Pm	953621106029, 13,31,50,54	1/4/23
4	EC3492 – Digital Signal Processing	Mrs. G. Gnana Priya	63	28/3/23 4.30PM	28/3/23	1/4/23 3.55PM	953621106002, 19,44,55,306	1/4/23
5	EC3491 – Communication Systems	Mr. P. Gunasekaran	63	29/3/23 5.15PM	29/3/23	3/4/23 9.30	953621106009, 13,42,56,301	3/4/23 3PM
6	GE3451 - Environmental Science and Sustainability	Dr. M. Venkatesh Perumal	63	31.03.23 2:37 Pm		04.04.23 9:10AM	—	

Faculty In-charge

AMCO INSTITUTE OF TECHNOLOGY
EXAMINATION CONTROL OFFICE
Academic Year 2022- 2023 (Odd Semester)

INTERNAL ASSESSMENT TEST - II EVALUATION DETAILS (R-2021)

Degree, Semester & Branch: III Semester B.E. Civil Engineering

Sl. No.	Subject	Faculty Name	No. of Answer Scripts	Date & Time of Receiving the Answer Papers	Signature	Date & Time of returning the Answer Papers	Register No. of Sample Answer Booklets	Signature
1	MA3351 - Transforms and Partial Differential Equations	Dr. T. Manimaran	46	15/12/22 11.00 am		23/12/22 1.50 pm	953621103001 06,19,27	
2	ME3351 - Engineering Mechanics	Mr. V. Ragavan	46	18/12/22 10.35 AM		23/12/22 9.35 AM	953621103038, 3040, 3044	
3	CE3301 - Fluid Mechanics	Mrs. R. Kalaimani	46	19/12/22 2.00 AM		23/12/22 11.25 A.M	953621103001, 26, 39, 40, 9	
4	CE3302 - Construction Materials and Technology	Mrs. D. Darling Helen Lydia	46	19/12/22 12.30 pm		22/12/22 12.20 pm	953621103004 020, 030, 041, 302	
5	CE3303 - Water Supply and Wastewater Engineering	Mrs. C. Subha	46	21.12.2022 2:30 pm		23/12/2022 10:00 am	953621103014, 25, 38	
6	CE3351 - Surveying and Levelling	Mr. A. Manicka Mamallan	46	22.12.22 3.00 pm		23/12/2002	01, 05, 301, 303	

Faculty In-charge

.MCO INSTITUTE OF TECHNOLOGY
EXAMINATION CONTROL OFFICE
Academic Year 2022- 2023 (Odd Semester)

INTERNAL ASSESSMENT TEST - II EVALUATION DETAILS (R-2021)

Degree, Semester & Branch: III Semester B.E. Computer Science and Engineering

Sl. No.	Subject	Faculty Name	No. of Answer Scripts	Date & Time of Receiving the Answer Papers	Signature	Date & Time of returning the Answer Papers	Register No. of Sample Answer Booklets	Signature
1	MA3354 - Discrete Mathematics	Dr. L. Sathikala	61	15.12.2022 10 am		24.12.2022 9.5 am	953621104013, 15/29,35/47	
2	CS3301 - Data Structures	Ms. P. Jothi Thilaga	61	19.12.2022 10:00 AM	19/12/22	23.12.2022 04:50 PM	953621104002, 10, 38, 42, 50	23/12/22
3	CS3351 - Digital Principles and Computer Organization	Dr. R. Rajalakshmi	63	19.12.22 10.15Am	19/12/22	23.12.22 10.55 AM	953621104009, 11, 45, 51, 302	23/12/22
4	CS3352 - Foundations of Data Science	Mr. K. Vignesh Saravanan	60	21/12/22, 03.00PM		22/12/22, 1:15PM	953621104030, 44, 58, 60, 430	
5	CS3391 - Object Oriented Programming	Mr. C. A. Yogaraja	61	22/12/22 2.30PM		24.12.22 1.00Pm	953621104029, 15, 16, 01, 4303	

Faculty In-charge

EXAMINATION CONTROL OFFICE

Academic Year 2022- 2023 (Odd Semester)

INTERNAL ASSESSMENT TEST - II EVALUATION DETAILS (R-2021)

Degree, Semester & Branch: III Semester B.E. Electrical and Electronics Engineering

Sl. No.	Subject	Faculty Name	No. of Answer Scripts	Date & Time of Receiving the Answer Papers	Signature	Date & Time of returning the Answer Papers	Register No. of Sample Answer Booklets	Signature
1	MA3303 - Probability and Complex Functions	Dr. G. Selvaraj & Mr. T. Selvaganesh	63	16.12.2022 10.00AM		24.12.2022 4.00PM	23, 301, 34, 52, 30	
2	EE3301 - Electromagnetic Fields	Mrs. S. Jeyanthi	64	16.12.2022 10.15AM	S. Jeyanthi 16/12/22	22.12.2022 11.10AM	953621105014, 037, 049, 052, 302	S. Jeyanthi 22/12/22
3	EE3302 - Digital Logic Circuits	Mr.A.Guna	64	21.12.2022 9:30 AM	21/12/22	23.12.2022 09.45AM	953621105020, 22, 30, 26, 59	23/12/22
4	EC3301 - Electron Devices and Circuits	Mr.A.Arun Kumar	64	19.12.2022 4.00 PM	19/12/22	22.12.22 01.00PM	953621105007, 10, 28, 37, 303	22/12/22
5	EE3303 - Electrical Machines - I	Mr.E.Thangam	63	19.12.2022 05.00 PM	19/12/22	22.12.2022 11.50 PM	07, 28, 54, 59, 303	
6	CS3353 - C Programming and Data Structures	Mr. R. Dhamotharan	64	16.12.2022 5:15 PM	16/12/22	23.12.2022 9:40AM	953621105004, 015, 026, 031, 039	23/12/22

Faculty In-charge

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EXAMINATION CONTROL OFFICE
Academic Year 2022-23 (Odd Semester)

CIRCULAR
Guidelines for Chairman

RIT/ECO/2022-2023 (Odd)/33 18.01.2023

1. The answer booklets shall be allotted for valuation to the faculty members as per the packet allotment approved by CoE, VP & Principal.
2. The maximum answer booklets allotted for a session shall be 30 nos.
3. The valuation is conducted as two session (FN: 09.30 a.m. - 12.30 p.m and AN: 01.30 p.m - 06.00 p.m)
4. In each Packet, two sample paper must be verified and the marks must be recorded in the valuation verification sheet.
5. At a time, only one packet (30 answer booklets) shall be allotted.
6. The answer key must be prepared by the faculty and it must be approved by chairman. The same shall be available with the chairman during the time of valuation.
7. After getting verification of sample papers, all faculty members are informed to enter the marks in the following portal at Engineering Practices Laboratory.(B0L02)

   " coe.ritrjpm.edu.in"

8. The Chiarman is requested fill the daily report form given by Controller of Examinations.

18/1/23 **Controller of Examinations** | O/D **Vice-Principal** | S. Kar 18/01/23 **Principal**

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EXAMINATION CONTROL OFFICE
Academic Year 2022-23 (Odd Semester)

CIRCULAR

RIT/ECO/2022-2023 (Odd)/32 18.01.2023

The Central Valuation for Internal Assessment – I of all I Semester Courses is scheduled from 19.01.2023 to 24.01.2023. The details of the Chairman for each board is as follows:

Sl.No.	Name of the board	Name of the Chairman
1.	English	Dr. M. Anand
2.	Physics	Dr. N. Karthikeyan
3.	Chemistry	Dr. O. Senthilkumar
4.	Mathematics	Dr. L. Sathikala
5.	Python	Dr. V. Anusuya

The faculty members are requested to follow the instruction of respective Chairman and complete the valuation during the above mentioned schedule.

18/1/23
Controller of Examinations

Vice-Principal

18/01/23
Principal

1. Copy to all board Chairman.
2. File.

RAMCO INSTITUTE OF TECHNOLOGY

Department of Electronics and Communication Engineering

Academic Year: 2022-2023 (Odd Semester)

Department Consultative Committee Industrial Training / Internship

Class: VII Semester B.E ECE A & B **Date: 25.08.2022**

As per the Anna University new Regulation R-2017 (Choice Based Credit System), the Department Consultative Committee is formed with following faculty members to assess the performance of the students in other Employability Enhancement Courses (EEC) like Industrial Training and Internship during summer/winter vacation.

Sl.No.	Name of the Faculty member	Designation	Position	Signature
1.	Dr.B.Deepa Lakshmi, M.E., Ph.D.	Associate Professor and Head/Incharge (ECE)	Head	25/8/22
2.	Mr.D.Gopinath, M.E.	Assistant Professor/ECE	Member	25/8/22
3.	Mr.R.Deiva Nayagam, M.E.	Assistant Professor/ ECE	Member	25/8/22
4.	Dr.K.Ragavan, M.E., Ph.D.	Assistant Professor (Sr.Gr)/ ECE	Member	25/8/2022
5.	Dr.A.Azhagu Jaisudhan Pazhani, M.E., Ph.D.	Associate Professor/ ECE	Member	25/8/22
6.	Mr.A.Rameshbabu, M.E.	Assistant Professor/ ECE	Member	25/8/22
7.	Mrs.G.Subhashini, M.E.	Assistant Professor/ECE	Member	25/8/22

Faculty In-charge

25/8/22
HOD/Incharge

25/8/22
Internship Co-ordinator

Vice Principal

Principal
25/8/22

RAMCO INSTITUTE OF TECHNOLOGY
Department of Electronics and Communication Engineering

Academic Year: 2022-2023 (Odd Semester)

Department Consultative Committee Industrial Training / Internship

Class: V Semester B.E ECE A & B

Date: 25.08.2022

As per the Anna University new Regulation R-2017 (Choice Based Credit System), the Department Consultative Committee is formed with following faculty members to assess the performance of the students in other Employability Enhancement Courses (EEC) like Industrial Training and Internship during summer/winter vacation.

S.No.	Name of the Faculty member	Designation	Position	Signature
1.	Dr.B.Deepa Lakshmi, M.E., Ph.D.	Associate Professor and Head/Incharge (ECE)	Head	25/8/22
2.	Mr.G.Sivakumar, M.E.	Assistant Professor/ ECE	Member	25/8/22
3.	Ms.S.Harini Shriram, M.E.	Assistant Professor/ ECE	Member	25/8/22
4.	Mr.B.Kannan, M.E.	Assistant Professor (Sr.Gr)/ ECE	Member	25/8/22
5.	Dr.A.Lakshmi, M.E., Ph.D.	Associate Professor/ ECE	Member	25/8/22
6.	Dr.S.Vairaprakash, M.E., Ph.D.	Associate Professor/ ECE	Member	25/8/22
7.	Mr.P.Venkatesh, M.E.	Assistant Professor/ECE	Member	25/8/22

Faculty In-charge

HOD/Incharge

Internship Co-ordinator

Vice Principal

Principal

RAMCO INSTITUTE OF TECHNOLOGY
Department of Electronics and Communication Engineering

Academic Year: 2022-2023 (Odd Semester)

Department Consultative Committee Industrial Training / Internship

Class: III Semester B.E ECE A & B **Date: 25.08.2022**

As per the Anna University new Regulation R-2021 (Choice Based Credit System), the Department Consultative Committee is formed with following faculty members to assess the performance of the students in other Employability Enhancement Courses (EEC) like Industrial Training and Internship during summer/winter vacation.

Sl.No.	Name of the Faculty member	Designation	Position	Signature
1.	Dr.B.Deepa Lakshmi, M.E., Ph.D.	Associate Professor and Head/Incharge (ECE)	Head	25/8/22
2.	Mrs.G.Gnanapriya, M.E.	Assistant Professor (Sr.Gr)/ ECE	Member	25/8/22
3.	Mrs.V.Srirenga Nachiyar, M.E.	Assistant Professor (Sr.Gr)/ ECE	Member	25/8/22
4.	Mr.L.K.Balaji Vignesh, M.E.	Assistant Professor/ ECE	Member	25/08/22
5.	Dr.R.Rajalakshmi, M.E., Ph.D.	Assistant Professor/ ECE	Member	25/8/22
6.	Dr.R.Alaguselvi, M.E., Ph.D.	Assistant Professor/ ECE	Member	25.8.22
7.	Ms.L.Krishna Kumari, M.E.	Assistant Professor/ECE	Member	25.8.22
8.	Ms.R.Chandralekha, M.E.	Assistant Professor/ECE	Member	25/08/22

L.K.Balaji vignesh 25/08/22
Faculty In-charge

25/8/22
HOD/Incharge

25/8/22
Internship Co-ordinator

25/8/22
Vice Principal

25/8/22
Principal

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Circular for Industrial Training / Internship Review meeting

09.03.2023

As per the Anna University Regulation R-2017 (Choice Based Credit System), Industrial Training / Internship is mandatory. The Industrial Training / Internship Review meeting for the Employability Enhancement Courses (EEC) is scheduled on 15.03.2022 (Wednesday). All the ECE final year students are asked to present their learning outcomes of Industrial Training / Internship to the Department Consultative Committee members.

Sl.No.	Name of the Faculty member	Designation	Position	Signature
1.	Dr.B.Deepa Lakshmi, M.E., Ph.D.	Associate Professor and Head/Incharge (ECE)	Head	9/3/23
2.	Mr.D.Gopinath, M.E.	Assistant Professor/ECE	Member	9/3/23
3.	Mr.R.Deiva Nayagam, M.E.	Assistant Professor/ ECE	Member	9/3
4.	Dr.K.Ragavan, M.E., Ph.D.	Assistant Professor (Sr.Gr)/ ECE	Member	9/3/2023
5.	Dr.A.Azhagu Jaisudhan Pazhani, M.E., Ph.D.	Associate Professor/ ECE	Member	13/3/23
6.	Mr.A.Rameshbabu, M.E.	Assistant Professor/ ECE	Member	9/3/23
7.	Mrs.G.Subhashini, M.E.	Assistant Professor/ECE	Member	9/3/2023

Venue: IV Year ECE A- ECE Seminar Hall
IV Year ECE B- Class Room B3R05

9/3/23
Faculty In-charge

9/3/23
HOD/Incharge

13/3/23
Internship Co-ordinator
(K. Karthikeyan)

13/3/23
Vice Principal

Principal

RAMCO INSTITUTE OF TECHNOLOGY

Department of Electronics and Communication Engineering

Academic Year: 2022-2023 (Even Semester)

Industrial Training / Internship Assessment

Semester/Class: VIII Semester B.E. ECE A

Sl. No.	Register Number	Name of the Student	Assessment Marks					
			Company Profile (10)	Physical Composure (10)	Content Delivery (10)	Training Outcome (10)	Student Response (10)	Total (50)
1.	953619106001	ABINAYA S	9	8	10	9	9	45
2.	953619106002	ABIRAMI V	8	8	9	8	9	42
3.	953619106003	AKILANDESWARI K	9	9	10	9	9	46
4.	953619106004	AMUDHADEVI A S	9	10	10	9	9	47
5.	953619106005	ANUDHARSHINI M	9	8	8	9	8	42
6.	953619106006	ARAVIND M	9	9	9	9	9	45
7.	953619106007	ARUMUGA VISWANATH P	7	8	7	7	7	36
8.	953619106008	ASIBA MINA K R	8	8	9	8	9	42
9.	953619106009	CHIDHAMBARANATHAN R	7	7	7	7	7	35
10.	953619106010	DEEPAK CHAKRAVARTHI P	9	9	10	8	9	45
11.	953619106011	DHARINI A	9	9	9	9	9	45
12.	953619106012	DHARSHINI K	9	9	8	9	9	44
13.	953619106013	DHARSHINI P	9	9	10	9	9	46
14.	953619106014	DIVYA SHREE R	8	9	8	9	8	42
15.	953619106015	DIWYA DHARSHINI R	9	9	9	9	9	45
16.	953619106016	ELAVARASI A	9	8	9	9	9	44
17.	953619106017	GAAYATRI V S	9	10	9	9	9	46
18.	953619106018	GANESH G	8	7	8	8	8	39
19.	953619106019	GANESHAMOORTHY I	8	9	9	8	8	42
20.	953619106020	GAYATHRI K	8	9	9	9	8	43
21.	953619106021	GIRITHARAN D	8	8	8	7	9	40
22.	953619106022	GOMATHI NAAYAGAM I S	9	9	10	8	9	45
23.	953619106023	HARIHARAN S	9	8	8	8	8	41
24.	953619106024	HARINI U	8	9	9	8	8	42
25.	953619106025	INDHUMATHI C	9	10	10	9	9	47
26.	953619106026	ISHWARYA R	9	8	8	9	9	43
27.	953619106027	JAYA MAHIMA M	9	10	9	10	9	47
28.	953619106028	JEYAGOMATHI S	9	9	10	9	9	46

Sl. No.	Register Number	Name of the Student	Assessment Marks					
			Company Profile (10)	Physical Composure (10)	Content Delivery (10)	Training Outcome (10)	Student Response (10)	Total (50)
29.	953619106029	JISHA P S	7	7	7	7	7	35
30.	953619106030	KALIDAS P	9	8	8	7	7	39
31.	953619106031	KALIMUTHU K	7	7	7	7	7	35
32.	953619106032	KAMALESH S	8	8	7	7	7	37
33.	953619106033	KAVIN KUMAR R	9	9	8	9	9	44
34.	953619106034	KAVIYA S	9	9	9	9	9	45
35.	953619106035	KAVYA P	9	9	8	9	9	44
36.	953619106036	KEERTHIKA B	8	9	9	9	8	43
37.	953619106037	KESAVANAND M	8	9	9	9	9	44
38.	953619106038	KESHAVA MUGESH KUMAR C M	8	7	9	8	8	40
39.	953619106039	LINGESH S	9	9	10	9	9	46
40.	953619106040	LOGGAA SRI AGITHA K	10	9	9	8	9	45
41.	953619106302	KUMARAGURUPARAN A	7	7	7	7	7	35

Department Consultative Member(s)

Internship Coordinator

16/5/23
HOD/ECE

RAMCO INSTITUTE OF TECHNOLOGY

Department of Electronics and Communication Engineering

Academic Year: 2022-2023 (Even Semester)

Industrial Training / Internship Assessment

Semester/Class: VIII Semester B.E. ECE B

Sl. No.	Register Number	Name of the Student	Assessment Marks					
			Company Profile (10)	Physical Composure (10)	Content Delivery (10)	Training Outcome (10)	Student Response (10)	Total (50)
1.	953619106041	MAHENDRA PRAKASH R	8	8	9	10	10	45
2.	953619106042	MANJULA G	9	9	9	9	10	46
3.	953619106043	MANOJKUMAR R	8	7	8	8	8	39
4.	953619106044	MARIKRISHNAUTHAMI S	8	8	8	8	9	41
5.	953619106045	MARIMUTHU B	8	7	8	8	8	39
6.	953619106046	MONIKA R	8	8	8	8	8	40
7.	953619106047	MUGESH M	8	8	7	8	8	39
8.	953619106048	NAMASIVAYAM T	8	9	9	8	9	43
9.	953619106049	NAVEEN KUMAR S	8	9	9	8	9	43
10.	953619106050	NHIDHEES LAKSH KUMAR K B	9	9	8	8	9	43
11.	953619106051	PADMA PRIYA C	9	9	9	9	9	45
12.	953619106052	PRADEEP C	9	8	9	9	9	44
13.	953619106053	PRAKATHI S	7	8	7	7	7	36
14.	953619106054	PRIYADHARSHINI R	7	8	8	7	7	37
15.	953619106055	RAJESHWARAN R	8	9	8	8	7	40
16.	953619106056	RAMESH KUMAR K	9	8	7	8	8	40
17.	953619106057	SABRIYAH M	8	8	7	8	8	39
18.	953619106058	SAI VISHNU L	8	9	8	8	9	42
19.	953619106059	SAKTHI ABIRAMI N	8	7	8	8	8	39
20.	953619106061	SANGHAVI G	9	8	9	9	9	44
21.	953619106062	SANTHOSH I	8	9	9	9	9	44
22.	953619106063	SARAVANAKUMAR S	8	8	8	8	8	40
23.	953619106064	SEETHA DEVI M	8	9	9	10	10	46
24.	953619106065	SHANMUGA VISAL S V	8	8	7	7	9	39
25.	953619106066	SHARON TRESHA A	8	10	9	8	9	44
26.	953619106067	SHRINITHIMEENA M	8	9	9	10	10	46
27.	953619106068	SNEHA P	8	8	7	8	8	39
28.	953619106069	SNEKHA B	7	7	8	7	7	36
29.	953619106070	SUBHASH S	8	8	9	8	8	41
30.	953619106071	SUJITHA K	7	9	8	8	9	41

Sl. No.	Register Number	Name of the Student	Assessment Marks					
			Company Profile (10)	Physical Composure (10)	Content Delivery (10)	Training Outcome (10)	Student Response (10)	Total (50)
31.	953619106072	SURENDAR V	9	8	9	9	9	44
32.	953619106073	SUSHMA A	7	8	8	8	8	39
33.	953619106074	SUSHMITHA K	8	9	8	8	8	41
34.	953619106075	VAISHNAVI M	9	8	9	9	8	43
35.	953619106076	VEERAMANIMARAN P	8	9	9	8	8	42
36.	953619106077	VIJAYALAXMANASEN A	8	9	9	9	9	44
37.	953619106078	VIJAYARAMMSEN A	8	8	9	9	9	43
38.	953619106079	VIJAYASANKARI P	8	8	8	7	7	38
39.	953619106080	VINOTHINI RAJAM R	7	8	8	8	8	39
40.	953619106301	BALAJI S	8	8	9	9	8	42
41.	953619106303	NAVEEN AJAY KUMAR T	8	7	8	8	8	39

Department Consultative Member(s)

Internship Coordinator

16/5/23
HOD/ECE

RAMCO INSTITUTE OF TECHNOLOGY
Department of Electronics and Communication Engineering

Academic Year: 2023- 2024

Department Consultative Committee Industrial Training / Internship

Class: VII Semester B.E ECE A & B **Date: 28.08.2023**

As per the Anna University Regulation R-2017 (Choice Based Credit System), the Department Consultative Committee is formed with following faculty members to assess the performance of the students in other Employability Enhancement Courses (EEC) like Industrial Training and Internship during summer/winter vacation.

Sl.No.	Name of the Faculty member	Designation	Position	Signature
1.	Dr.C.Arunachala Perumal	Professor and Head (ECE)	Head	
2.	Mr.G.Sivakumar	Assistant Professor/ ECE	Member	
3.	Ms.S.Harini Shriram	Assistant Professor/ ECE	Member	
4.	Mr.B.Kannan	Assistant Professor(SG)/ ECE	Member	
5.	Dr.A.Lakshmi	Associate Professor/ECE	Member	
6.	Dr.S.Vairaprakash	Associate Professor/ECE	Member	
7.	Mr.P.Venkatesh	Assistant Professor/ECE	Member	

IPT & Internship In-charge

HOD/ECE

Internship Coordinator
(K. Karthikeyan)

Vice Principal

Principal

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RAMCO INSTITUTE OF TECHNOLOGY

Approved by AICTE, New Delhi & Affiliated to Anna University
Accredited by NAAC & An ISO 9001:2015 Certified Institution
NBA Accredited UG Programs: CSE, EEE, ECE and MECH

Department of Electronics and Communication Engineering

Submitted to the Principal Date: 17.04.2023

Sir,

Sub: Requesting approval – Honorarium to Technical Expert from Industries – Project Review – Academic year 2022-23 – Regarding.

As per the guidelines of Anna University, we are conducting Project Review – II for the course EC8811 - Project Work to our VIII Semester Electronics and Communication Engineering students on 21.04.2023 (Friday). To improve the quality of assessment process for this course, we have invited the technical experts from M/s. Rakuten Mobile Inc.., Bangalore and M/s. Geons Logix Pvt. Ltd., Madurai. In this regard kindly approve the honorarium and approximate travel expenditure for the technical experts as per the details given below.

Sl. No.	Name of the Expert / Designation	Date of Visit for Review	Amount Requested	Total Amount (Rs.)
1.	Dr.V.Lingasamy, The Manager (Research and Development), Rakuten Mobile Inc., Bangalore.	21.04.2023	Honorarium - Rs.5,000 Travel Expenditure - Rs.2,500	7,500.00
2.	Mr.Manikandan Subramanian, Managing Director, Geons Logix Pvt. Ltd., Madurai		Honorarium - Rs.5,000 Travel Expenditure - Rs.2,500	7,500.00
3.	Tea and Snacks			300.00
			Total	**15,300.00**

We request your kind approval in this regard.

Head of Accounts: Academic/ECE/Department Activities

17/4/23 17/4/23 — **Project Co-ordinator(s)**

17/4/2023 — **HOD/ECE**

17/04/23 — **GM/Admin**

16/4/23 — **Vice Principal**

18/4/23 — **Principal**

RAMCO INSTITUTE OF TECHNOLOGY

Academic year: 2022 - 2023

Department of Electronics and Communication Engineering

Date: 25.04.2023

Submitted to the Principal:

Respected Sir,

Sub: Payment Approval of honorarium and travel expenses of project review II - requested – regarding

Reference:

1. Our Enquiry number: Nil
2. Our Office Approval Ref. No.: Nil
3. Purchase order No.: Nil
4. Invoice No.: Nil Dated: NA
5. Installation certificate No.: Nil Dated: NA

Hence it is requested that the bill may please be passed for **Rs. 7500.00** (Honorarium & Travelling Allowance)

Head of Accounts: Academic/ECE/Department Activities

Advance Amount Issued: Nil (if Applicable), **Balance:** Rs. 7500.00

Mode of Payment: RTGS

Account Details of the vendor:

Name: V.Lingasamy

Account Number: 39424646749

IFSC Code: SBIN0070657

Bank Name & Place: State Bank of India, Kovilpatti Bazaar Branch

Project Coordinator **HOD** **Accountant** **GM (A)**

Vice Principal **Principal**

RAMCO INSTITUTE OF TECHNOLOGY
Department of Electronics and Communication Engineering

Cash Voucher

21.04.2023

Received with thanks from M/s. Ramco Institute of Technology, Rajapalayam a sum of **Rs.5,000/-** (Rupees Five Thousand only) by cash for **honorarium** for acting as an **Industrial expert** of Project Review-II of final year Electronics and Communication Engineering students on 21.04.2023.

Signature

Dr.V.Lingasamy,
The Manager (Research and Development),
Rakuten Mobile Inc.,
Bangalore.

Form No. ADM 10 Rev.No. 00 Effective Date: 09.03.2017

RAMCO INSTITUTE OF TECHNOLOGY
Department of Electronics and Communication Engineering

Cash Voucher

21.04.2023

Received with thanks from M/s. Ramco Institute of Technology, Rajapalayam a sum of Rs.2,500/- (Rupees Two thousand and Five hundred only) by cash towards Travelling Allowance for acting as an **Industrial expert** of Project Review-II of final year Electronics and Communication Engineering students on 21.04.2023.

Signature

Dr.V.Lingasamy,
The Manager (Research and Development),
Rakuten Mobile Inc.,
Bangalore.

Form No. ADM 10 Rev.No. 00 Effective Date: 09.03.2017

RAMCO INSTITUTE OF TECHNOLOGY

Academic year: 2022 - 2023

Department of Electronics and Communication Engineering

Date: 25.04.2023

Submitted to the Principal:

Respected Sir,

Sub: Payment Approval of honorarium and travel expenses of project review II - requested – regarding

Reference:

1. Our Enquiry number: Nil
2. Our Office Approval Ref. No.: Nil
3. Purchase order No.: Nil
4. Invoice No.: Nil Dated: NA
5. Installation certificate No.: Nil Dated: NA

Hence it is requested that the bill may please be passed for **Rs. 7500.00 (Honorarium & Travelling Allowance)**

Head of Accounts: Academic/ECE/Department Activities

Advance Amount Issued: Nil (if Applicable), **Balance:** Rs. 7500.00

Mode of Payment: RTGS

Account Details of the vendor:

Name: Geons Logix Pvt. Ltd.

Account Number: 10077858658

IFSC Code: IDFB0080551

Bank Name & Place: IDFC First Bank, Madurai

25/4/23
Project Coordinator

26/4/23
HOD

Accountant

27/04/23
GM (A)

Vice Principal

Principal

RAMCO INSTITUTE OF TECHNOLOGY
Department of Electronics and Communication Engineering

Cash Voucher

21.04.2023

Received with thanks from M/s. Ramco Institute of Technology, Rajapalayam a sum of **Rs.5,000/-** (Rupees Five Thousand only) by cash for **honorarium** for acting as an **Industrial expert** of Project Review-II of final year Electronics and Communication Engineering students on 21.04.2023.

Signature

Mr.Manikandan Subramanian,
The Managing Director,
Geons Logix Pvt.Ltd.,
Madurai.

Form No. ADM 10 Rev.No. 00 Effective Date: 09.03.2017

RAMCO INSTITUTE OF TECHNOLOGY
Department of Electronics and Communication Engineering

Cash Voucher

21.04.2023

Received with thanks from M/s. Ramco Institute of Technology, Rajapalayam a sum of Rs.2,500/- (Rupees Two thousand and Five hundred only) by cash towards Travelling Allowance for acting as an **Industrial expert** of Project Review-II of final year Electronics and Communication Engineering students on 21.04.2023.

Signature

Mr.Manikandan Subramanian,
The Managing Director,
Geons Logix Pvt.Ltd.,
Madurai.

Form No. ADM 10 Rev.No. 00 Effective Date: 09.03.2017

RAMCO INSTITUTE OF TECHNOLOGY

Academic year: 2022 - 2023

Department of Electronics and Communication Engineering

Date: 25.04.2023

Submitted to the Principal:

Respected Sir,

Sub: Payment Approval of Tea & Snacks of project review II - requested –regarding

Reference:

1. Our Enquiry number: Nil
2. Our Office Approval Ref. No.: Nil
3. Purchase order No.: Nil
4. Invoice No.: Nil Dated: NA
5. Installation certificate No.: Nil Dated: NA

Hence it is requested that the bill may please be passed for **Rs. 240.00 (Tea & Snacks)**

Head of Accounts: Academic/ECE/Department Activities

Advance Amount Issued: Nil (if Applicable), **Balance:** Rs. 240.00

Mode of Payment: RTGS

Account Details of the vendor:

Name: Mr.R.Deiva Nayagam

Account Number: 99980121008200

IFSC Code: FDRL0001609

Bank Name & Place: Federal Bank, Rajapalayam

25/4/23 — **Project Coordinator**

26/4/23 — **HOD**

27/4 — **Accountant**

27/04/23 — **GM (A)**

Vice Principal

Principal

Ph. : 227799

NEW AJANTHA SWEETS

719, Tenkasi Road, RAJAPALAYAM - 626 117.

Date : 21/04/2023

RIT College.

M/s. ECE Dpt

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நீயூ அஜந்தா ஸ்வீட்ஸ்
...கொசி ரோடு P.S.K பார்க் ஏதிரில்
இராஜபாளையம் 626117
Ph 04563 - 227799
GSTIN 33AIEPS8651H1Z0

...04-2023 8 34 am B No 6670

Description	Qty	Weight	Amount
...சுவீட்	1	3.200	100.00
...திரி	1	3.000	80.00
...tal			160.00

VALUE	CGST%	CGST	SGST%	SGST
152.38	2.5%	3.81	2.5%	3.81

Total	2	152.38
GST		7.62
Round-Off		0.00
...ount :		160.00

160.00

Details Cash

...றி மீண்டும் வருக

Bill No:1 :- Rs. 160.00
Bill No:2 :- Rs. 80.00

Rs. 240.00

26/4/23

RAMCO INSTITUTE OF TECHNOLOGY

Approved by AICTE, New Delhi & Affiliated to Anna University
Accredited by NAAC & An ISO 9001:2015 Certified Institution
NBA Accredited UG Programs: CSE, EEE, ECE and MECH

Department of Electronics and Communication Engineering

Academic Year: 2022 - 2023 (Even Semester)

Attendance Sheet

Course Code & Title: EC8811 Project Work
Degree, Semester & Branch: VIII Semester B.E. ECE A
Date : 21.04.2023

Project Review : II
Venue : ECE Seminar Hall

Sl.No.	Register Number	Name(s) of the student(s)	Signature
1.	953619106001	ABINAYA S	S. Abinaya
	953619106016	ELAVARASI A	A. Elavarasi
2.	953619106002	ABIRAMI V	V. Abirami
	953619106035	KAVYA P	P. Kavya
3.	953619106003	AKILANDESWARI K	K. Akilandeswari
	953619106008	ASIBA MINA K R	K. R. Asiba Mina
4.	953619106004	AMUDHADEVI A S	Amudhadevi
	953619106026	ISHWARYA R	Ishwarya R
5.	953619106005	ANUDHARSHINI M	M. Anudharshini
	953619106020	GAYATHRI K	K. Gayathri
6.	953619106007	ARUMUGA VISWANATH P	Arumuga Viswanath P
	953619106038	KESHAVA MUGESH KUMAR C M	C. M. Keshava
7.	953619106009	CHIDHAMBARANATHAN R	Chidambaranathan R.
	953619106033	KAVIN KUMAR R	R Kavin Kumar
8.	953619106006	ARAVIND M	Aravind M
	953619106010	DEEPAK CHAKRAVARTHI P	
	953619106019	GANESHAMOORTHY I	AB
9.	953619106011	DHARINI A	A. Dharini
	953619106013	DHARSHINI P	Dharshini
10.	953619106012	DHARSHINI K	K. Dharshini
	953619106017	GAAYATRI V S	V. S. Gayathri

Sl.No.	Register Number	Name(s) of the student(s)	Signature
11.	953619106014	DIVYASHREE R	
	953619106024	HARINI U	U. Harini
12.	953619106015	DIWYA DHARSHINI R	Diwya Dharshini R
	953619106040	LOGGAA SRI AGITHA K	Loggaa Sri Agitha K
13.	953619106034	KAVIYA S	Kaviya S
	953619106036	KEERTHIKA B	Keerthika B.
14.	953619106018	GANESH G	Ganesh
	953619106022	GOMATHI NAAYAGAM I S	Gomathi Nayagam I S
15.	953619106021	GIRITHARAN D	Giri S.
	953619106302	KUMARAGURUPARAN A	Kumarag
16.	953619106023	HARIHARAN S	Hari S
	953619106031	KALIMUTHU K	K KALIMUTHU
	953619106039	LINGESH S	Lingesh
17.	953619106025	INDHUMATHI C	Indhumathi C
	953619106027	JAYA MAHIMA M	Jaya Mahima
18.	953619106028	JEYAGOMATHI S	Jeya Gomathi
	953619106029	JISHA P S	Jisha P S.
19.	953619106030	KALIDAS P	Kalidas
	953619106032	KAMALESH S	Kamalesh
	953619106037	KESAV ANAND M	Kesavanand

21/4/23

Project Co-ordinator(s)

26/4/23

HOD

RAMCO INSTITUTE OF TECHNOLOGY

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NBA Accredited UG Programs: CSE, EEE, ECE and MECH

Department of Electronics and Communication Engineering

Academic Year: 2022 - 2023 (Even Semester)

Attendance Sheet

Course Code & Title: EC8811 Project Work
Degree, Semester & Branch: VIII Semester B.E. ECE B
Date : 21.04.2023

Project Review : II
Venue : NI LABVIEW

Sl.No.	Register Number	Name(s) of the student(s)	Signature
1.	953619106041	MAHENDRA PRAKASH R	
	953619106301	BALAJI S	
	953619106303	NAVEEN AJAYKUMAR T	
2.	953619106043	MANOJKUMAR R	
	953619106065	SHANMUGAVISAL S V	
3.	953619106051	PADMA PRIYA C	
	953619106075	VAISHNAVI M	
4.	953619106055	RAJESHWARAN R	
	953619106045	MARIMUTHU B	
5.	953619106047	M.MUGESH	
	953619106048	T.NAMASIVAYAM	
6.	953619106049	NAVEEN KUMAR S	
	953619106063	SARAVANAKUMAR S	
	953619106078	VIJAYARAMMSEN A	
7.	953619106062	SANTHOSH I	
	953619106050	NHIDHEES LAKSH KUMAR K.B	
8.	953619106042	MANJULA G	
	953619106061	SANGHAVI G	
	953619106069	SNEKHA B	
9.	953619106052	PRADEEP C	
	953619106072	SURENDAR V	
10.	953619106053	PRAKATHI S	
	953619106079	VIJAYASANKARI P	
11.	953619106046	MONIKA R	
	953619106054	PRIYA DHARSHINI R	
	953619106064	SEETHA DEVI M	

12.	953619106056	RAMESH KUMAR K	
	953619106058	SAI VISHNU L	
13.	953619106066	SHARON TRESHA A	
	953619106071	SUJITHA K	
14.	953619106057	SABRIYAH M	
	953619106068	SNEHA P	
15.	953619106067	SHRINITHIMEENA M	
	953619106074	SUSHMITHA K	
16.	953619106044	MARIKRISHNAUTHAMI S	
	953619106059	SAKTHI ABIRAMI N	
17.	953619106073	SUSHMA A	
	953619106080	VINOTHINI RAJAM R	
18.	953619106076	VEERAMANIMARAN P	
	953619106077	VIJAYALAXMANASEN A	
	953619106070	SUBHASH S	

21/4/23

Project Co-ordinator(s)

26/4/23

HOD

RAMCO INSTITUTE OF TECHNOLOGY

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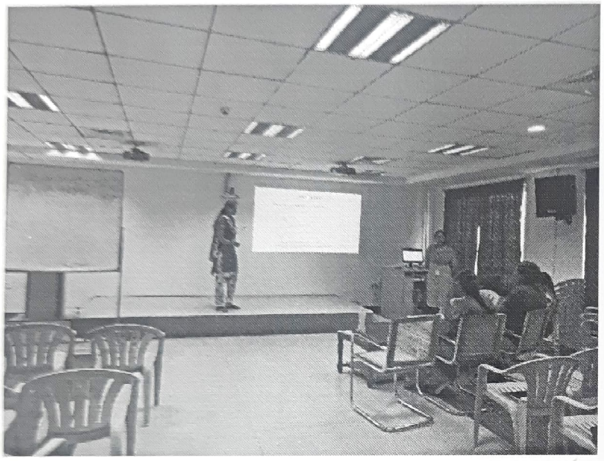
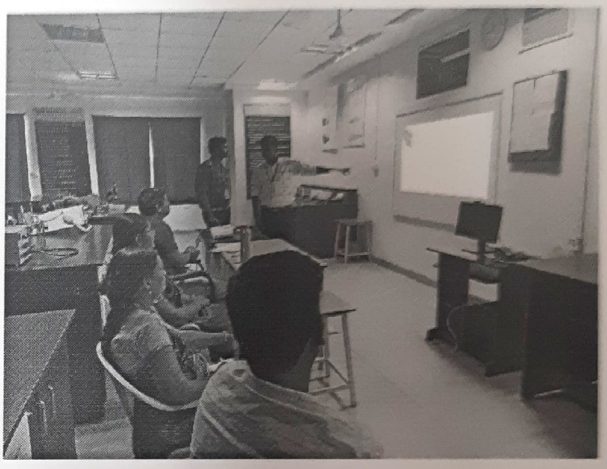
NBA Accredited UG Programs: CSE, EEE, ECE and MECH

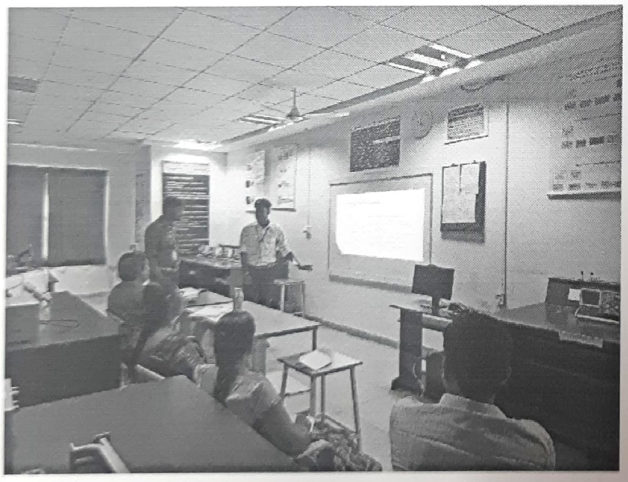
Department of Electronics and Communication Engineering

Course Code & Title: EC8811 Project Work
Degree, Semester & Branch: VIII Semester B.E. ECE A
Date: 21.04.2023

Project Review: II
Venue: ECE Seminar Hall









21/4/23
Project Co-ordinator(s)

20/04/2023
HOD/ECE

RAMCO INSTITUTE OF TECHNOLOGY

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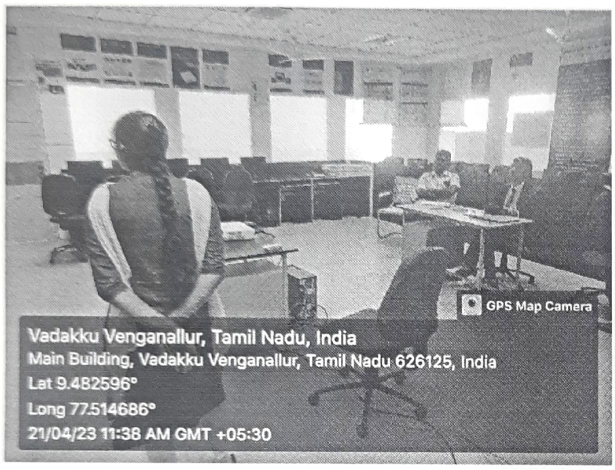
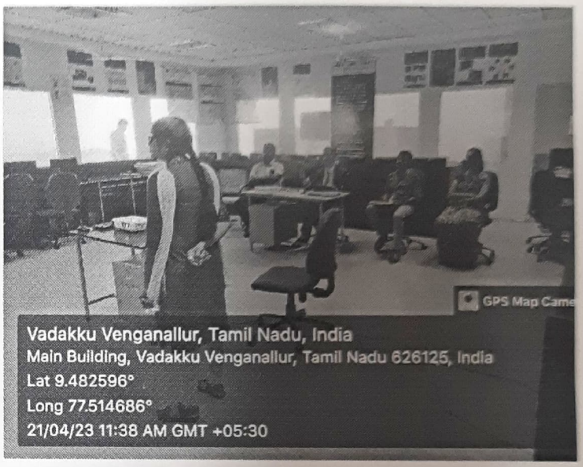
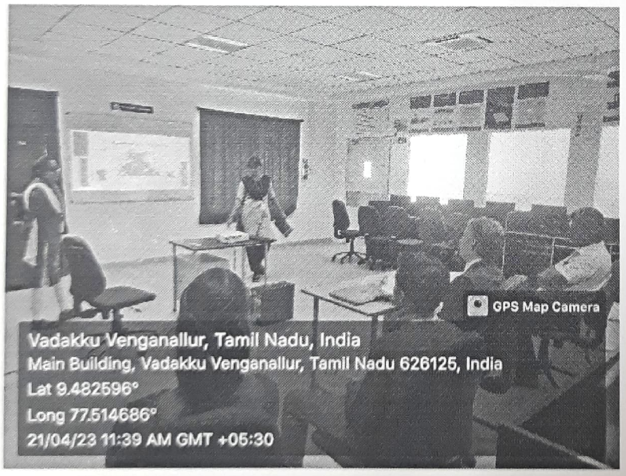
NBA Accredited UG Programs: CSE, EEE, ECE and MECH

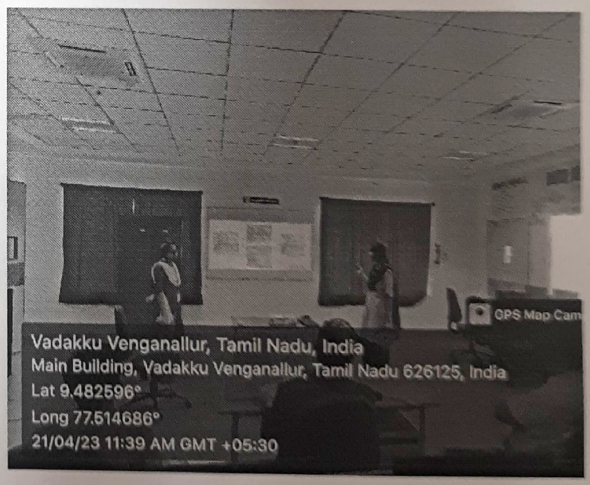
Department of Electronics and Communication Engineering

Course Code & Title: EC8811 Project Work
Degree, Semester & Branch: VIII Semester B.E. ECE B **Project Review: II**
Date: 21.04.2023 **Venue: NI LABVIEW**









Project Co-ordinator(s)

26/4/2023
HOD/ECE

22.02.2023

Submitted to the Principal:

Respected Sir,

Sub: Requisition for Budget – Academic External Audit (2022-2023) - reg.

As per the Anna University regulation 2021 and AU circular dated on 20.01.2023, it is planned to conduct Academic Audit for the Academic Year 2022-2023 through external subject experts for all the department ODD & EVEN semester courses from 27.02.2022 / 28.02.2023. In this connection, it is proposed to invite subject expert members from affiliated and autonomous institutions. The approximate budget for the same is as follows.

Sl.No	Details	Amount (Rs.)
1	Honorarium for an expert per day (Rs.10,000*1 expert X 10 Departments)	1,00,000/-
	Total (One Lakhs only)	**1,00,000.00**

Academic expert details are given below:

Sl.No	Department / Date of Audit (DoA)	Name of the Expert	Designations	College Address & Contact Number
1.	Civil Engineering DoA: 27.02.23	Dr.J.Jeyanthi	Associate Professor	Department of Civil Engineering Mepco Schlenk Engineering College, Sivakasi. Cell: 9786278347
2.	Computer Science and Engineering (include CSBS & IT) DoA: 27.02.23	Dr.K.G.Srinivasagan	Professor & HOD	Department of IT, National Engineering College, Kovilpatti Cell:9442142502
3.	Electrical and Electronics Engineering DoA: 27.02.23	Dr.M.Willjuice Iruthayarajan	Professor & HOD	Department of EEE National Engineering College, Kovilpatti Cell:9442649406
4.	Electronics and Communication Engineering DoA: 28.02.23	Dr.K.Valarmathi	Professor & HOD	Department of ECE P.S.R Engineering College, Sivakasi Cell: 6380912273
5.	Mechanical Engineering DoA: 28.02.23	Dr.K.Linga Durai	Professor & Dean	Anna University Regional Campus, Madurai Cell: 9443746149

6.	Artificial Intelligence and Data Science DoA: 28.02.23	Dr.C.SenthilKumar	Associate Professor	Department of CSE Thiagarajar College of Engineering Madurai Cell: 9940756249
7.	Physics DoA: 28.02.23	Dr.M.Hema	Associate Professor	Department of Physics, Kamaraj College of Engineering and Technology, Virudhunagar. Cell: 8825891775
8.	Chemistry DoA: 28.02.23	Dr.K.Jeyasubramanian	Senior Professor & HOD	Department of Chemistry, Mepco Schlenk Engineering College, Sivakasi. Cell: 9486028170
9.	Mathematics DoA: 28.02.23	Dr.J.Deepalakshmi	Assistant Professor (Sl.G)	Mepco Schlenk Engineering College, Sivakasi. Cell: 9486026054
10.	English DoA: 28.02.23	Dr.S.Rajaram	Professor	Thiagarajar College of Engineering Madurai Cell: 9442037595

Head of Account: RIT/Academic / Civil, RIT/Academic / CSE, RIT/Academic / EEE, RIT/Academic / ECE, RIT/Academic / MECH, RIT/Academic / AIDS, RIT/Academic / Physics, RIT/Academic / Chemistry, RIT/Academic / Mathematics, RIT/Academic / English

Hence it is requested that the above proposal may kindly be approved and an amount of **Rs.1,00,000/- (One Lakhs)** only may please be sanctioned to conduct the Academic External Audit and please be provided as special lunch and refreshment to the expert.

Bhaga 22/2/23
Academic Coordinator

23/02/23
GM(A)

23/2/23
Vice Principal

Principal
23/2/23

RAMCO INSTITUTE OF TECHNOLOGY

Department of Civil Engineering

Academic Year 2022-2023

Date: 08.02.2023

Submitted to the Principal:

Respected Sir,

Sub: Requesting approval for nomination of expert members from premium institutions for academic audit and question paper quality process – Reg.

In order to strengthen our academic systems, we are proposing the nomination of academic expert members to conduct academic audits and question paper quality audits, as suggested in IPDC meeting minutes - RIT/IPDC/meeting/22 Sl. No:02. The purpose of this nomination is to audit the quality of academic process in the department of Civil Engineering. The honorarium and travelling expenses will be provided as per our institution norms. The proposed expert member's details are given below for your consideration.

Sl. No	Expert Member details (Academic Audit)	Audit purpose
1.	Dr.A.Ravi, Associate Professor, Department of Civil Engineering, Mepco Schelenk Engineering College, Sivakasi-626005.	Auditing the Academic process of the department
2.	Dr.M.Muthu Kannan, Professor & Director of Student Affairs, Kalasalingam University, Krishnankoil, Srivilliputhur - 626126	
3.	Dr.R.Lakshmi Professor and HOD Department of Civil Engineering Kamaraj College of Engineering and Technology, Virudhunagar-625701	
4.	Dr. S. Nagan, Professor, Department of Civil Engineering, Thiagarajar College of Engineering, Madurai-625015	
5.	Dr.J.Jeyanthi, Associate Professor, Department of Civil Engineering, Mepco Schlenk Engineering College, Sivakasi - 626005.	

Now, we request your kind approval for the expert member's nomination to proceed further in academic audit system. Three expert member profiles are also attached as enclosures for your approval.

Dept. Academic Coordinator **HOD/Civil** **Academic coordinator**

Vice Principal **Principal**

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NBA Accredited UG Programs: CSE, EEE, ECE and MECH

Exc/Ae

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Academic Year 2022-2023

Date: 08.02.2023

Submitted to the Principal

Respected Sir,

Sub:- Requesting approval for nomination of expert members from reputed nearby institution for academic audit - Reg.

In order to strengthen our academic system, we are proposing the nomination of academic expert members to conduct academic audit, as suggested by Centre for Academic Courses, Anna University (Ref: Letter No: 50/AU/CAC2023 dated 20.01.2023). Hence the purpose of this nomination is to audit the academic process followed in every course taught during this semester in the Department of Computer Science and Engineering. The honorarium and travelling expenses will be provided as per our institution norms. The proposed expert members' details are given below for your consideration.

Sl.No.	Expert Members Details	Audit Purpose
1.	Dr. K. Chandrasekaran, Professor,Dept. of CSE, NITK	Academic Audit
2.	Dr.N.Jaisankar , Professor School of Computer Science and Engineering, Vellore Institute of Technology, Vellore	
3.	Dr. Sheerin Banu M, 9443129296 Professor Department of Information Technology, R.M.K. Engineering College, Chennai	
4.	Dr.C.Deisy, Professor Department of Information Technology, Thiagarajar College of Engineering, Madurai	
5.	Dr. K.G.Srinivasagan, Professor & Head, Dean TCP Dept. of Information Technology National Engineering College Kovilpatti – 628 503 9442142502	

We request your kind approval for the expert member's nomination to proceed further in academic audit system.

9/2/23 — **Dept. Academic Coordinator**

9/2/23 — **HOD/CSE**

9/2/23 — **Academic Coordinator**

10/2/23 — **Vice-Principal**

10/2/23 — **Principal**

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Excel/Ae

Department of Electrical and Electronics Engineering

Academic Year 2022-2023

Date: 07.02.2023

Submitted to the Principal:

Respected Sir,

Sub: Requesting approval for nomination of expert members from premium institutions for academic audit process – Reg.

In order to strengthen our academic systems, we are proposing the nomination of academic expert members to conduct academic audits as suggested in IPDC meeting minutes - RIT/IPDC/meeting/22, Sl. No: 02. The purpose of this nomination is to audit the quality of academic process in the department of Electrical and Electronics Engineering. The honorarium and travelling expenses will be provided as per our institution norms. The proposed expert member's details are given below for your consideration.

Sl.No.	Expert member details	Contact Details
1	**Dr. B. V. Manikandan,** Senior Professor, Department of Electrical and Electronics Engineering, Mepco Schlenk Engineering College, Sivakasi	Email ID: bvmani@mepcoeng.ac.in Phone No.: 7639703563
2.	**Dr. D. Prince Winston,** Professor & Head, Department of Electrical and Electronics Engineering, Kamaraj College of Engineering and Technology, Vellakulam.	Email ID: hodeee@kamarajengg.edu.in Phone No.: 9976799833
3.	**Dr. M. Willjuice Iruthayarajan,** Professor & Head, Department of Electrical and Electronics Engineering, National Engineering College, kovilpatti.	Email ID: m.willjuice@gmail.com 27-2-23 Phone No.: 9442649406
4.	**Dr. S. M. Kannan,** Professor & Head Department of Electrical and Electronics Engineering, KLN College of Engineering, Madurai	Email ID: smkeeeklnce@gmail.com Phone No.: 9442035859
5.	**Dr. V. Saravanan,** Professor, Department of Electrical and Electronics Engineering, Thiagarajar College of Engineering, Madurai	Email ID: vseee@tce.edu Phone No.: 9843024744

8/2/23

Sl.No.	Expert member details	Contact Details
6.	**Dr. J. Suganthi,** Professor, Department of Electrical and Electronics Engineering, Government College of Engineering, Tirunelveli	Email ID: suganthi_shyam@rediffmail.com
7.	**Dr. T. Sree Renga Raja,** Professor, Department of Electrical and Electronics Engineering, University College of Engineering, Nagercoil.	Email ID: renga_raja@rediffmail.com Phone No.: 9443432488

Now, we request your kind approval for the expert member's nomination to proceed further in academic audit system.

7/2/2023
Dept. Academic Coordinator

07/02/23
HoD/EEE

8/2/23
Academic Coordinator

8/2/23
Vice Principal

8/2/23
Principal

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Excell / AE

Department of Electronics and Communication Engineering
Academic year 2022 - 2023 (Even Semester)

Submitted to the Principal:

Respected Sir,

Sub: Requesting approval for nomination of expert members from premium institutions for academic audit and question paper quality process – Reg.

In order to strengthen our academic systems, we are proposing the nomination of academic expert members to conduct academic audits and question paper quality audits, as suggested in IPDC meeting minutes - RIT/IPDC/meeting/22 Sl. No:02. The purpose of this nomination is to audit the quality of academic process in the department of Electronics and Communication Engineering. The honorarium and travelling expenses will be provided as per our institution norms. The proposed expert member's details are given below for your consideration.

Sl.No	Expert Member details (Academic Audit)	Audit purpose
1.	Dr.S.Selva Nidhyananthan, ASP(Sr.Gr.), Department of Electronics and Communication Engineering, Mepco Schlenk Engineering College, Sivakasi.	Auditing the Academic process of the department
2.	Dr.A.Shenbagavalli, Professor & Head, Department of ECE, National Engineering College, Kovilpatti.	
3.	Dr.K.Kavitha, Professor, Department of ECE, Velammal College of Engineering and Technology, Madurai.	
4.	Dr. S. Mohammad Mansoor Roomy, Professor, Department of ECE, Thiagarajar College of Engineering, Madurai.	
5.	Dr.K.Valarmathi, Professor & Head, Department of ECE, P.S.R Engineering College, Sivakasi.	

Now, we request your kind approval for the expert member's nomination to proceed further in academic audit system.

13/02/23
Dept. Academic Coordinator

13/2/23
HOD/ECE

13/2/23
Academic coordinator

13/2/23
Vice Principal

Principal

RAMCO INSTITUTE OF TECHNOLOGY

Department of Mechanical Engineering
Academic year 2022-23

Date: 07.02.2023

Submitted to: The Principal

Respected Sir,

Sub: Requesting approval for nomination of expert members (AY 2022-2023) from affiliated / autonomous / university for academic audit process - Reg.

With reference to the circular from AU-CAC-R2021 dated 20.01.2023, we propose the nomination of academic expert members to conduct academic audit on 22.02.2023 (Wednesday). The purpose of these expert members is to audit the academic process in the department of Mechanical Engineering and strengthen our academic system. The honorarium and travelling expenses will be provided as per our institution norms. The expert member details are given below for your consideration

S.No.	Name with Designation	Specialization	Email	Contact Number
1.	Dr.A.Vasanthanathan Associate Professor (Sr.Gr), Department of Mechanical Engineering, Mepco Schlenk Engineering College, Mepco Nagar, Sivakasi,	Design and Material	vasanthan@mepcoeng.ac.in	9894781354 8667567259
2.	Dr.P.Pichipoo, Professor, Department of Mechanical Engineering, PSR Engineering College, Sevalpatti, Sivakasi.	Industrial Engineering and Management	pitchipoo@psr.edu.in	[redacted]9841310110 9965965975
3.	Dr.K.Linga Durai, PhD(IITM) Professor & Dean Anna University Regional Campus, Madurai	Metallurgy	lingadurai.k@auucedgl.ac.in	9443746149
4.	Dr.V.Anbumalar, Professor Department of Mechanical Engineering Velammal College of Engineering and Technology, Madurai.	Thermal Engineering	vam@vcet.ac.in	9486485148
5.	Dr.J.Selwin Rajadurai, Professor Department of Mechanical Engineering, Govt. College of Engineering, Tirunelveli.	Design Engineering	selwin@gcetly.ac.in	9442093691

Now, we request your kind approval for the expert member's nomination to proceed further in academic audit system.

For the favour of approval please

NBA 7th criteria I/C

Dept. Academic Coordinator

HOD (MECH)

GM (A)

Vice Principal

Principal

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Excell / AC

Department of Artificial Intelligence and Data Science

07.02.2023

Submitted to Academic Section:

The Department of Artificial Intelligence and Data Science has identified the below expert members for Question Paper setting and academic process activities.

Sl. No	Expert Member details	Total Years of Experience
1	**Dr.J.V.Anchitaalagammai** Associate Professor Department of CSE Velammal College of Engineering and Technology, Madurai Ph:7373444500 E-Mail Id: jva@vcet.ac.in	18
2	**Dr.E.Golden Julie** Assistant Professor Department of CSE Anna University – Tirunelveli campus Tirunelveli Ph:9486300621 Email: juliegolden18@gmail.com	17
3	**Dr.S.Sumathi** Assistant Professor Department of Computer Science and Engineering, University V.O.C College of Engineering, Anna University-Thoothukudi campus Ph:9941350007 Email: sumock123@yahoo.com	17
4	**Dr V.Kalaivani** Professor and Head Department of Artificial Intelligence and Data Science National Engineering college Kovilpatti Ph: 94842637770 Email: vkcse@nec.edu.in	22
5	**Dr. C.SenthilKumar** Associate professor Dept of CSE Thiagarajar College of Engineering Madurai Ph:9940756249 Email: cskcse@tce.edu	18

Dept Academic Coordinator | HOD/AD | Vice Principal | Principal

RAMCO INSTITUTE OF TECHNOLOGY

Department of Physics

Academic Year 2022-2023

Date: 15.02.2023

Submitted to the Principal:

Respected Sir,

Sub: Requesting approval for nomination of expert members from premium institutions for academic audit and question paper quality process – Reg.

In order to strengthen our academic systems, we are proposing the nomination of academic expert members to conduct academic audits and question paper quality audits. The purpose of this nomination is to audit the quality of academic process in the department of Physics. The honorarium and travelling expenses will be provided as per our institution norms. The proposed expert member's details are given below for your consideration.

Sl. No	Expert Member details (Academic Audit)	Audit purpose
1.	Dr.M.Hema, Associate Dean (Research) & Associate Professor (Physics) **Kamaraj College of Engineering and Technology,** Virudhunagar. hemaphy@kamarajengg.edu.in hemameetsu@gmail.com	Auditing the Academic process of the department
2.	Dr. B. Karthikeyan, Assistant Professor (Senior Grade), Dept. of Physics, **Mepco Schlenk Engineering college,** Sivakasi. Mobile: 9843566445 **karthikeyanb@mepcoeng.ac.in**	
3.	Dr. G. Sahaya Dennish Babu Asst Prof of Physics, Dept of Electronics and Communication Engineering, Chettinad College of Engg and Tech, Karur-639114. Mobile: 9940706651 dennishbabu@chettinadtech.ac.in	
4.	Dr. R. Rajesh, Assistant Professor, Dept. of Physics, **Velammal college of Engineering &Technology,** Viraganoor, Madurai 625009 rr@vcet.ac.in Mobile: 9659289397	

HOD/Physics

Academic coordinator

Vice Principal

Principal

RAMCO INSTITUTE OF TECHNOLOGY

Department of Chemistry

Academic Year 2022-2023

Date: 21.02.2023

Submitted to the Principal:

Respected Sir,

Sub: Requesting approval for nomination of expert members from premium institutions for academic audit and question paper quality process – Reg.

In order to strengthen our academic systems, we are proposing the nomination of academic expert members to conduct academic audits and question paper quality audits, as suggested in IPDC meeting minutes - RIT/IPDC/meeting/22 Sl. No:02. The purpose of this nomination is to audit the quality of academic process in the Department of Chemistry. The honorarium and travelling expenses will be provided as per our institution norms. The proposed expert member's details are given below for your consideration.

Sl. No	Expert Member details (Academic Audit)	Audit purpose
1.	Dr.K.Jeyasubramanian Senior Professor & Head of the Department Department of Chemistry Mepco Schlenk Engineering College, Sivakasi 04562-235530, kjeya@mepcoeng.ac.in Mobile: 9486028170	Auditing the Academic process of the department
2.	Dr. J. Dharmaraja Associate Professor, Department of Chemistry, AAA College of Engineering and Technology, Sivakasi-626005. Mobile: 9977942139	
3.	Dr. E. R. Nagarajan Associate Professor Department of Chemistry Kalasalingam Academy of Research and Education Krishnankoil, Mobile: 9976204859	
4.	Dr. Luna Eunice Assistant Professor Department of Chemistry Kamaraj College of Engineering and Technology Viruhunagar, lunaeunicechem@kamarajengg.edu.in Mobile: 9655984421	

Now, we request your kind approval for the expert member's nomination to proceed further in academic audit system. Four expert member profiles are also attached as enclosures for your approval.

HOD/Chemistry

Academic coordinator

Vice Principal

Principal

Excell(AC

RAMCO INSTITUTE OF TECHNOLOGY

Department of Mathematics

Academic Year 2022-2023

Date: 09.02.2023

Submitted to the Principal:

Respected Sir,

Sub: Requesting approval for nomination of expert members from premium institutions for academic audit and question paper quality process – Reg.

In order to strengthen our academic systems, we are proposing the nomination of academic expert members to conduct academic audits and question paper quality audits, as suggested in IPDC meeting minutes - RIT/IPDC/meeting/22 Sl. No:02. The purpose of this nomination is to audit the quality of academic process in the department of Mathematics. The honorarium and travelling expenses will be provided as per our institution norms. The proposed expert member's details are given below for your consideration.

Sl. No	Expert Member details (Academic Audit)	Audit purpose
1.	Dr.S.Karthikeyan, M.Sc., M.Phil., Ph.D, Associate Professor and Controller of Examinations, Velammal College of Engineering and Technology Madurai 9894491327	Auditing the Academic process of the department
2.	Dr.N.Kamatchi, M.Sc., M.Phil., Ph.D, Associate Professor Kamaraj College Of Engineering & Technology S.P.G.Chidambara nadar - C.Nagammal Campus S.P.G.C. Nagar, K.Vellakulam-625701, Near Virudhunagar 9789675351 (2)	
3.	Dr.J.Deepalakshmi, MSc, MPhil, PhD,AP(Sl.G.) Mepco Schlenk Engineering College , Sivakasi - 626005 9486026054 (1)	

Now, we request your kind approval for the expert member's nomination to proceed further in academic audit system.

Dept. Academic Coordinator 9/2/23

HOD/Mathematics 9/2/2023

Academic coordinator 11/2/23

Vice Principal 11/2/23

Principal 11/2/23

RAMCO INSTITUTE OF TECHNOLOGY

Department of English

Academic Year 2022-2023

Date: 21.02.2023

Submitted to the Principal:

Respected Sir,

Sub: Requesting approval for nomination of expert members from premium institutions for academic audit and question paper quality process – Reg.

In order to strengthen our academic systems, we are proposing the nomination of academic expert members to conduct academic audits and question paper quality audits, as suggested in IPDC meeting minutes - RIT/IPDC/meeting/22 Sl. No:02. The purpose of this nomination is to audit the quality of academic process in the department of English. The honorarium and travelling expenses will be provided as per our institution norms. The proposed expert member's details are given below for your consideration.

Sl. No	Expert Member details (Academic Audit)	Audit purpose
1.	Dr.N.Sundararajan Associate Professor, Department of English, Kamaraj College of Engineering & Technology, Virudhunagar- 625701	Auditing the Academic process of the department
2.	Dr. S. Rajaram, Professor of English, Thiagarajar College of Engineering, Madurai.	
3.	Mr. K. R. Surendran, Assistant Professor (II) Velammal College of Engineering & Technology, Madurai.	

Now, we request your kind approval for the expert member's nomination to proceed further in academic audit system. Three expert member profiles are also attached as enclosures for your approval.

Dept. Academic Coordinator **HOD/English** **Academic coordinator**

Vice Principal **Principal**

RAMCO INSTITUTE OF TECHNOLOGY

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NBA Accredited UG Programs: CSE, EEE, ECE and MECH

Academic year 20~~22~~- 20~~23~~(Odd/Even Semester)

Academic Audit Check List
Regulation -- ~~2017~~/ Regulation - 2021

Date: 28/2/2023

Name of the Academic Auditor : Dr.M.Hema
Designation : Associate Professor
Institute/Industry address : Ramaraj College of Engg. & Tech

Name of the Faculty member: Dr.N.Karthikeyan, Dr.D.Vigneshwari, Dr.N.Karthikeyan, Dr.R.Srinivasan, Dr.K.Jeyaprakash **Department:** Physics

Course Code & Title : BS3171 Physics chemistry Laboratory

Course File : Course file/Canvas /Google classroom

COURSE FILE: LABORATORY

Sl. No.	Audit parameters	Sl. No.	Audit parameters
1.	Students Name List (CA & HOD) [Bottom] ✓	13.	Special Class Attendance (If required) NA
2.	Time Table (Class Time Table) ✓	14.	Students Record notebook ✓
3.	Time Table (Individual Time Table) ✓	15.	Effort taken to identify the Slow learners, Action taken and its impact ✓
4.	Syllabus Copy ✓	16.	Effort taken to improve the competency of bright students and its impact Bright students are involved in seminar, video (both after the completion of cou
5.	Course plan ✓	17.	Course Outcome End Survey (Consolidation from Online platform Google, Canvas etc.)
6.	Course Assessment ✓	18.	CO attainment for each CO
7.	Model Practical Exam Question Paper ✓	19.	Rubrics for evaluation of continuous assessments / other assessments ✓
8.	Mark Statement of Model Practical Exam ✓	20.	Any other Additional Information (if applicable) • Laboratory Manual ✓ • Mini project report (sample) NA
9.	Practical Marks ✓	21.	Log Book Practical ✓
10.	Consolidated Practical Marks ✓		
11.	Practical Attendance ✓		
12.	Details of conduct of Special classes (If required) NA		

Remarks

Innovative practices like lab videos prepared by faculty members is appreciated!

Signature 28/2/2023
Academic Auditor

Reviewed by
Academic Coordinator 2/2/23

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Academic year 20~~22~~- 20~~23~~ (Odd/Even Semester)

Academic Audit Check List
Regulation - ~~2017~~/ Regulation - 2021

Date: 28/2/23

Name of the Academic Auditor :	Dr. M. Hema
Designation :	Associate Professor
Institute/Industry address :	Kamaraj college of Engg. & Tech

Name of the Faculty member: Dr. T. Kigneswari, P. Thiruvarangan, Dr. N. Karthik **Department:** Physics
Dr. R. Srinivasa
Dr. K. Jayaprakash

Course Code & Title : PH3151 / Engineering Physics

Course File : Course file/Canvas /Google classroom

COURSE FILE: THEORY

Sl. No.	Audit parameters	Sl. No.	Audit parameters
1.	Notes of Lesson (Separate file if required) ✓	16.	Mark Statement of Internal Assessment Test - I/II/III ✓
2.	Question Bank ✓	17.	Theory Attendance (Slot-I, Slot-II, Slot-III, Slot-IV) ✓
3.	Students Name List (CA & HOD) ✓	18.	Efforts taken to identify the slow learners, action taken and its impact. Effort taken to improve the competency of bright students and its impact ✓
4.	Pre-Course Assessment Questions (if applicable) NA	19.	Details of conduct of Special classes ✓
5.	Pre-Course Assessment Result (if applicable) NA	20.	Special Class Attendance ✓
6.	Time Table (Class Time Table) ✓	21.	Course Outcome End Survey ✓ after the completion of the course
7.	Time Table (Individual Time Table) ✓	22.	CO attainment for each CO ✓
8.	Syllabus Copy ✓	23.	Internal mark calculation
9.	Course Plan ✓	24.	Innovative practices on content delivery with evidences and effects ✓
10.	Course Assessment ✓	25.	Innovative practice on assessment with evidence ✓
11.	Tutorial Sheets (1-15) ✓	26.	Analytics on overall TLP compared with previous year ✓
12.	Assignment Sheets / Individual Assignment Sheets /Case Study / Seminar/ Mini project & Rubrics for evaluation ✓	27.	Report for Industrial training / Internship NA
13.	Rubrics for evaluation of other assessments ✓	28.	Logbook ✓
14.	Question Paper / Answer script of ✓	29.	Academic Performance monitoring ✓

	Internal Assessment Test - I/II/III		
15.	Scheme of Evaluation & Answer Key (I/II/III) ✓	30.	Any other Additional Information (if applicable) • Mini project report (sample) NA • Content beyond syllabus proof ✓ • Quiz Question with Mark statement NA • Industry person Lecture proof related to the course ✓

Remarks

Course file was well documented!

Signature 28/2/2023
Academic Auditor

Reviewed by
Academic Coordinator 2/3/23

RAMCO INSTITUTE OF TECHNOLOGY

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Accredited by NAAC & An ISO 9001:2015 Certified Institution
NBA Accredited UG Programs: CSE, EEE, ECE and MECH

Department of ..Physics.....

Academic Year: 2021- 2023(Odd/Even Semester)

ACADEMIC AUDIT REPORT

Academic Audit No.: 2

No. of Domains: 1

Name of the Domain: 1. Engineering Physics

2.

3.

4.

Name & Designation of the Auditor: Dr. M. Hema

Address of the Auditor: Department of Physics, Kamaraj College of Engg. & Technology

Date of Audit: 28/2/2023

Venue of Audit: Physics laboratory

2021 – 2022 (Odd Semester)			
S. No.	Domain Name	Theory	Laboratory
		Audited Course Code & Title	Audited Course Code & Title
1.	Domain 1	C1 Engineering Physics PH3151	C1 Physics laboratory BS9171
		C2	C2
2.	Domain 2	C1	C1
		C2	C2
3.	Domain n	C1	C1
		C2	C2

2021 – 2022 (Even Semester)			
S. No.	Domain Name	Theory	Laboratory
		Audited Course Code & Title	Audited Course Code & Title
1.	Domain	C1	C1
		C2	C2
2.	Domain 2	C1	C1
		C2	C2
3.	Domain n	C1	C1
		C2	C2

Overall observations and suggestions for improvement:

Good Practices Followed:

→ Individual assignment questions allotted for each student.

→ Lab videos prepared by faculty members for students.

→ Webinar been conducted for students of first Yr. Graduates

Scope for Improvement:

→ Rubrics can be incorporated in the front sheet of Assignment, Pre & Post Assessment for the course can be conducted (online MCQ type)

→ Webinar shall be conducted relevant to the course

→ Assignments & answerscripts can be included in the course file itself for quick reference.

for Dept. Academic Coordinator 23/2/23

Academic Coordinator

HOD 28/2/23

Vice Principal 2/3/23

Principal 2/3/23

22.02.2023

Submitted to the Principal:

Respected Sir,

Sub: Requisition for Budget – Academic External Audit (2022-2023) - reg.

As per the Anna University regulation 2021 and AU circular dated on 20.01.2023, it is planned to conduct Academic Audit for the Academic Year 2022-2023 through external subject experts for all the department ODD & EVEN semester courses from 27.02.2022 / 28.02.2023. In this connection, it is proposed to invite subject expert members from affiliated and autonomous institutions. The approximate budget for the same is as follows.

Sl.No	Details	Amount (Rs.)
1	Honorarium for an expert per day (Rs.10,000*1 expert X 10 Departments)	1,00,000/-
	Total (One Lakhs only)	**1,00,000.00**

Academic expert details are given below:

Sl.No	Department / Date of Audit (DoA)	Name of the Expert	Designations	College Address & Contact Number
1.	Civil Engineering DoA: 27.02.23	Dr.J.Jeyanthi	Associate Professor	Department of Civil Engineering Mepco Schlenk Engineering College, Sivakasi. Cell: 9786278347
2.	Computer Science and Engineering (include CSBS & IT) DoA: 27.02.23	Dr.K.G.Srinivasagan	Professor & HOD	Department of IT, National Engineering College, Kovilpatti Cell:9442142502
3.	Electrical and Electronics Engineering DoA: 27.02.23	Dr.M.Willjuice Iruthayarajan	Professor & HOD	Department of EEE National Engineering College, Kovilpatti Cell:9442649406
4.	Electronics and Communication Engineering DoA: 28.02.23	Dr.K.Valarmathi	Professor & HOD	Department of ECE P.S.R Engineering College, Sivakasi Cell: 6380912273
5.	Mechanical Engineering DoA: 28.02.23	Dr.K.Linga Durai	Professor & Dean	Anna University Regional Campus, Madurai Cell: 9443746149

6.	Artificial Intelligence and Data Science DoA: 28.02.23	Dr.C.SenthilKumar	Associate Professor	Department of CSE Thiagarajar College of Engineering Madurai Cell: 9940756249
7.	Physics DoA: 28.02.23	Dr.M.Hema	Associate Professor	Department of Physics, Kamaraj College of Engineering and Technology, Virudhunagar. Cell: 8825891775
8.	Chemistry DoA: 28.02.23	Dr.K.Jeyasubramanian	Senior Professor & HOD	Department of Chemistry, Mepco Schlenk Engineering College, Sivakasi. Cell: 9486028170
9.	Mathematics DoA: 28.02.23	Dr.J.Deepalakshmi	Assistant Professor (Sl.G)	Mepco Schlenk Engineering College, Sivakasi. Cell: 9486026054
10.	English DoA: 28.02.23	Dr.S.Rajaram	Professor	Thiagarajar College of Engineering Madurai Cell: 9442037595

Head of Account: RIT/Academic / Civil, RIT/Academic / CSE, RIT/Academic / EEE, RIT/Academic / ECE, RIT/Academic / MECH, RIT/Academic / AIDS, RIT/Academic / Physics, RIT/Academic / Chemistry, RIT/Academic / Mathematics, RIT/Academic / English

Hence it is requested that the above proposal may kindly be approved and an amount of **Rs.1,00,000/- (One Lakhs)** only may please be sanctioned to conduct the Academic External Audit and please be provided as special lunch and refreshment to the expert.

22/2/23
Academic Coordinator

23/02/23
GM(A)

23/2/23
Vice Principal

Principal
23/2/23

RAMCO INSTITUTE OF TECHNOLOGY

Approved by AICTE, New Delhi & Affiliated to Anna University
Accredited by NAAC & An ISO 9001:2015 Certified Institution
NBA Accredited UG Programs: CSE, EEE, ECE and MECH

Academic year: 2022-2023 (Even Semester)

CIRCULAR

RIT/Academic/2022-2023/Even/ Academic Audit /39 23.02.2023

As per the Anna University regulation 2021 and AU circular dated on 20.01.2023, it is planned to conduct Academic Audit for the Academic Year 2022-2023 through external subject experts for all the department ODD & EVEN semester courses from 27.02.2023 to 28.02.2023. Based on the consent received from the academic audit expert, the schedule of academic audit is prepared and the same is given below.

S.No.	Department	Date of Audit	Timing
1.	Civil	27.02.2023	Audit Time 9.30AM to 4.30PM Lunch Time: 1.00PM to 1.45PM
2.	CSE	27.02.2023	
3.	EEE	27.02.2023	
4.	ECE	28.02.2023	
5.	MECH	28.02.2023	
6.	AI&DS	28.02.2023	
7.	PHYSICS	28.02.2023	
8.	CHEMISTRY	28.02.2023	
9.	MATHS	28.02.2023	
10.	ENGLISH	28.02.2023	

The department academic coordinator is informed to complete the following

- Make a list of the courses that need to be audited for the year 2022-2023 (ODD & EVEN Semester)
- Circulate the academic audit check list to all the faculty members for their reference.
- Adhere to the academic audit schedule on the days of audit
- Faculty members are requested to present their documentary evidence in accordance with the audit check list
- Faculty members can use soft copy (LMS) or hard copy for the proof of submission of documents
- Venue for the audit to be fixed in respective department seminar hall or faculty hall according to the department convenience
- Coordinate and assist with academic audit expert. Submit the verified academic audit check sheet with expert signature after the completion of the audit.
- Department academic coordinators are requested to ensure all course files are audited under 2021 regulation. Kindly prepare the Academic Audit report and submit it before 06.03.2023.

Academic Coordinator 23/2/23 | GM(A) 23/02/23 | Vice Principal 23/2/23 | Principal 23223

Copy to:

- All HODs for information through email
- Principal Office / Accounts Office
- Faculty members for information through email
- Transport Section / Exam Cell / ISO File

RAMCO INSTITUTE OF TECHNOLOGY

Academic year: 2022 – 2023

External Academic Audit

Date: 04.03.2023

Submitted to the Principal:

Respected Sir,

Sub: External Academic Audit (2022-2023) – Bill Passing requested – regarding

Reference:

1. Our Enquiry number: -
2. Our Office Approval Ref. No.: Approval Letter Attached
3. Purchase order No.: -
4. Invoice No.: -
5. Installation certificate No.: - Dated: -

Academic Audit for the Academic Year 2022-2023 through external subject experts for all the department ODD & EVEN semester courses was conducted from 27.02.2022 to 28.02.2023. Hence it is requested to transfer honorarium of Rs.10000/- to each external academic audit experts (list attached) in the following Heads.

Head of Accounts: RIT/Academic / Civil/ CSE/ EEE/ ECE/ MECH/ AIDS/ Physics/ Chemistry/ Mathematics/ English

Advance Amount Issued: NIL **Balance: NIL**

Mode of Payment: -

Account Details of the vendor: Account Details of External Auditors attached.

Name: -

Account Number: -

IFSC Code: -

Bank Name & Place: -

Academic Coordinator **Accountant** **GM (A)**

Vice Principal **Principal**

RAMCO INSTITUTE OF TECHNOLOGY

Academic year: 2022 – 2023

External Academic Audit Expert List with Account Details

Sl.No	Department / Date of Audit (DoA)	Name of the Expert	Account Details
1.	Civil Engineering DoA: 27.02.23	Dr.J.Jeyanthi Associate Professor Department of Civil Engineering Mepco Schlenk Engineering College, Sivakasi. Cell: 9786278347	Account No: 003100710400364 IFSC CODE: TMBL0000003 Bank Details: TMB, Sivakasi, Mepco Branch.
2.	Computer Science and Engineering (include CSBS & IT) DoA: 27.02.23	Dr.K.G.Srinivasagan Professor & HOD Department of IT, National Engineering College, Kovilpatti Cell:9442142502	Account No: 11017806997 IFSC CODE: SBIN0000859 Bank Details: SBI, Kovilpatti.
3.	Electrical and Electronics Engineering DoA: 27.02.23	Dr.M.Willjuice Iruthayarajan Professor & HOD Department of EEE National Engineering College, Kovilpatti Cell:9442649406	Account No: 174901000006365 IFSC CODE: IOBA0001749 Bank Details: Indian Overseas Bank, Nallattinputhur, Kovilpatti Taluk, Kovilpatti - 628503.
4.	Electronics and Communication Engineering DoA: 28.02.23	Dr.K.Valarmathi Professor & HOD Department of ECE P.S.R Engineering College, Sivakasi Cell: 6380912273	Account No: 815810110001266 IFSC CODE: BKID0008158 Bank Details: Bank of India, P.S.R. Engineering College, Sivakasi.
5.	Mechanical Engineering DoA: 28.02.23	Dr.K.Linga Durai Professor & Dean Anna University Regional Campus, Madurai Cell: 9443746149	Account No: 25460100011887 IFSC CODE: BARB0DINDIG Bank Details: Bank of Baroda, Dindigul.
6.	Artificial Intelligence and Data Science DoA: 28.02.23	Dr.C.SenthilKumar Associate Professor Department of CSE Thiagarajar College of Engineering Madurai Cell: 9940756249	Account No: 601301906942 IFSC CODE: ICICI0006013 Bank Details: ICICI BANK, Subramaniapuram

7.	Physics DoA: 28.02.23	Dr.M.Hema Associate Professor Department of Physics, Kamaraj College of Engineering and Technology, Virudhunagar. Cell: 8825891775	Account No: 004100720600937 IFSC CODE: TMBL0000004 Bank Details: TMB, Virudhunagar Branch, Virudhunagar.
8.	Chemistry DoA: 28.02.23	Dr.K.Jeyasubramanian Senior Professor & HOD Department of Chemistry, Mepco Schlenk Engineering College, Sivakasi. Cell: 9486028170	Account No: 003100710401181 IFSC CODE: TMBL0000003 Bank Details: TMB, Sivakasi.
9.	Mathematics DoA: 28.02.23	Dr.J.Deepalakshmi Assistant Professor (Sl.G) Department of Mathematics Mepco Schlenk Engineering College, Sivakasi. Cell: 9486026054	Account No: 052901504416 IFSC CODE: ICIC000529 Bank Details: ICICI Bank, Virudhunagar.
10.	English DoA: 28.02.23	Dr.S.Rajaram Professor Thiagarajar College of Engineering Madurai Cell: 9442037595	Account No: 601301904724 IFSC CODE: ICIC0000563 Bank Details: ICICI Bank, Thiagarajar College of Engineering Branch, Thiruparankundram, Madurai.

4/3/23
Academic Coordinator

Accountant

06/03/23
GM (A)

4/3/23
Vice Principal

7/3/23
Principal

RAMCO INSTITUTE OF TECHNOLOGY

Department of Civil Engineering

Cash Voucher

Received with thanks from M/s. Ramco Institute of Technology, Rajapalayam a sum of **Rs.10000/-** (Rupees Ten Thousand only) by RTGS for **honorarium & Travelling Allowance** for Academic Audit (Regulation 2021) held on 27.02.2023

27/2/23

Dr.J.Jeyanthi
Associate Professor,
Department of Civil Engineering,
Mepco Schlenk Engineering College,
Sivakasi

Form No. ADM 10 Rev.No. 00 Effective Date: 09.03.2017

RAMCO INSTITUTE OF TECHNOLOGY

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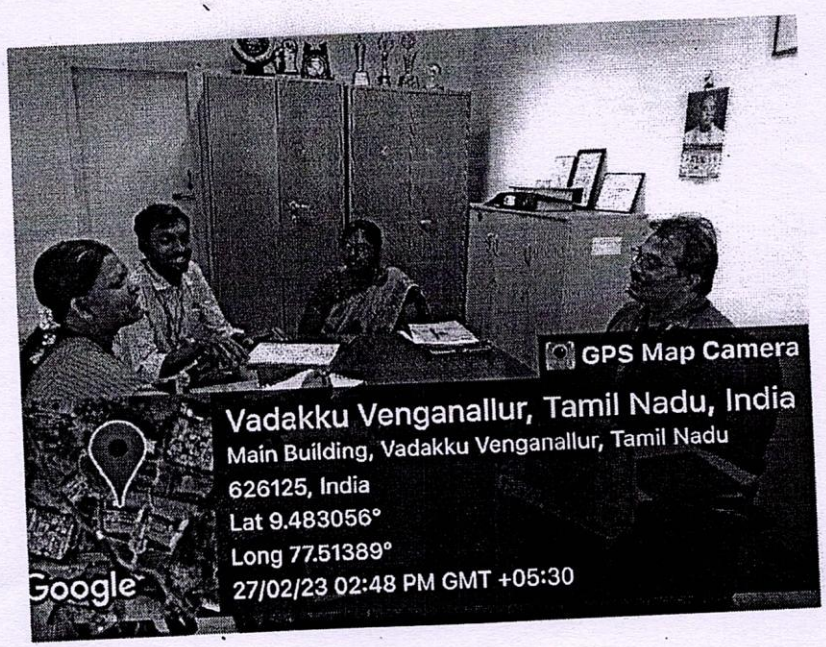
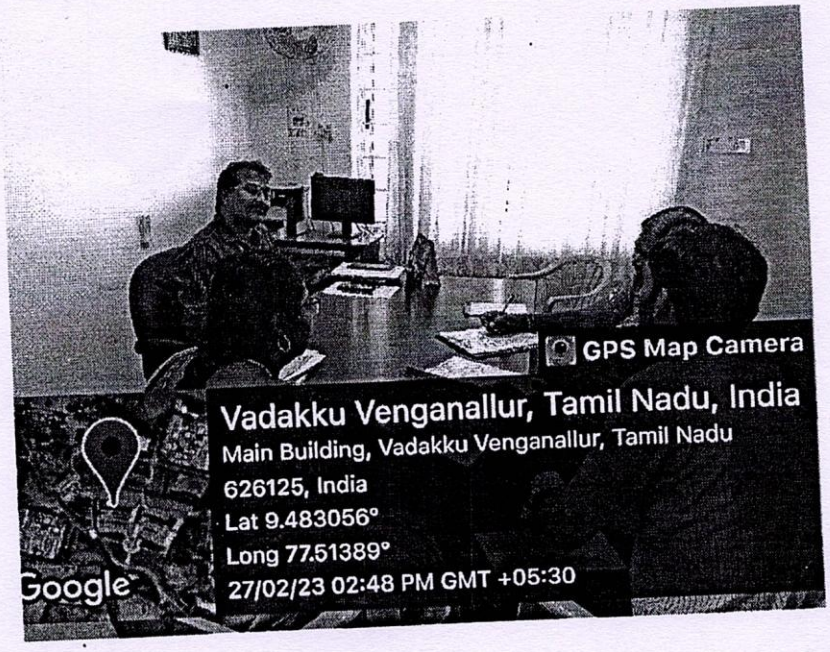
An ISO 9001: 2015 Certified Institution

Department of Civil Engineering

Academic Audit 2022-2023





RAMCO INSTITUTE OF TECHNOLOGY

Department of Computer Science and Engineering

Cash Voucher

Received with thanks from M/s. Ramco Institute of Technology, Rajapalayam a sum of 10,000 (Rupees Ten Thousand only) through RTGS for **honorarium and Travelling Allowance** for Academic Audit held on 27.02.2023.



Signature

Dr.K.G.Srinivasagan, Prof/Head,
Department of Information Technology,
National Engineering College,
Kovilpatti.

Account Details

Account Holder : SRINIVASAGAN K.G

Account No : 11017806997

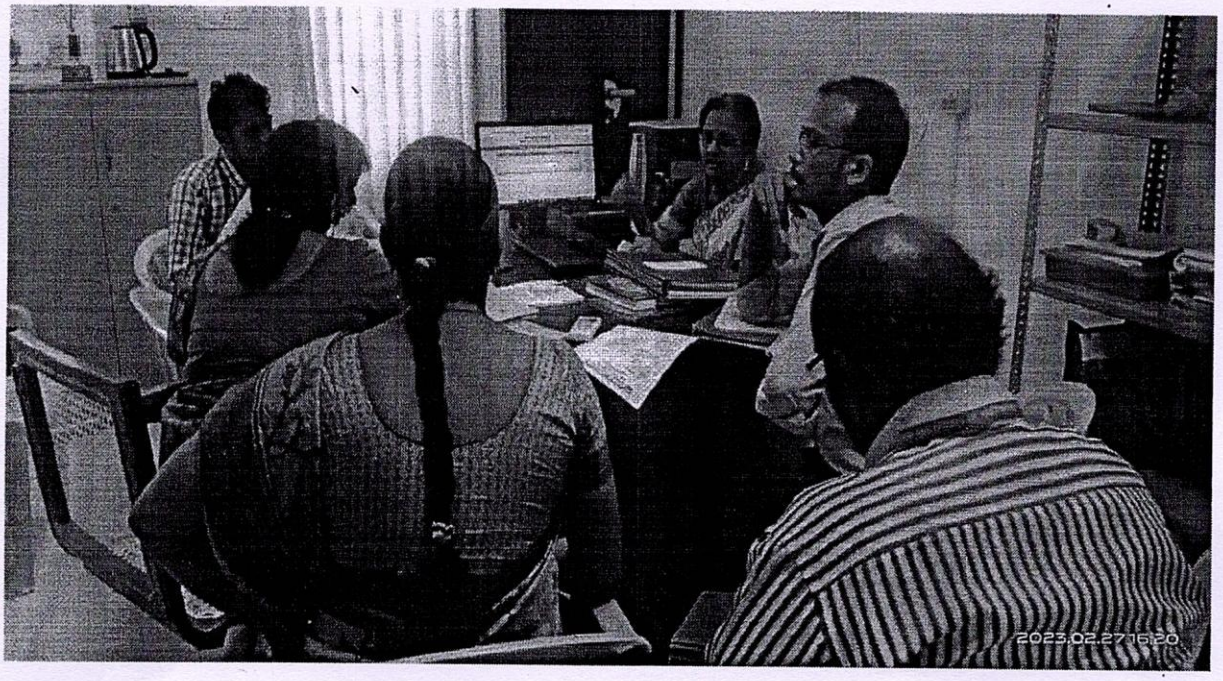
IFSC code : SBIN0000859

Bank Branch : SBI. Kovilpatti

RAMCO INSTITUTE OF TECHNOLOGY

DEPARTMENT OF COMPUTER SCIENCE ENGINEERING

ACADEMIC AUDIT REPORT





RAMCO INSTITUTE OF TECHNOLOGY
Department of Electrical and Electronics Engineering
Academic Year: 2022-2023

Cash Voucher

Received with thanks from M/s. Ramco Institute of Technology, Rajapalayam a sum of **Rs. 10,000/-** (Rupees Ten Thousand only) by RTGS for **Honorarium and Travelling Allowance** for being Academic Auditor for the Department of Electrical and Electronics Engineering on 27.02.2023 (FN & AN)

27/02/2023

Dr. M. Willjuice Iruthayarajan,
Prof & Head,
Department Electrical and
Electronics Engineering,
National Engineering College,
Kovilpatti.

Account detail :

Name: Willjuice Iruthayarajan M

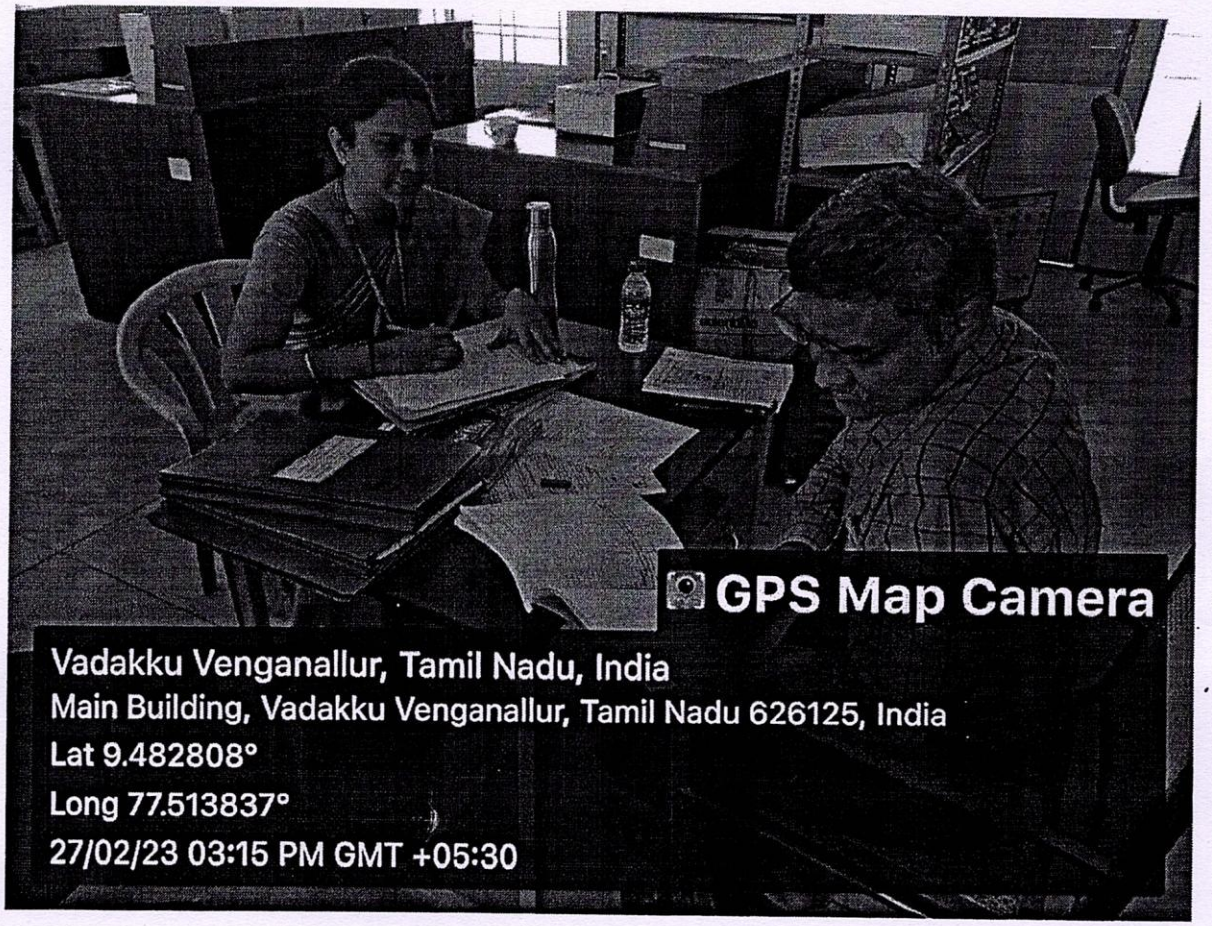
Account Number: 174901000006365

IFSC Code: IDBA0001749

RAMCO INSTITUTE OF TECHNOLOGY

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

ACADEMIC AUDIT REPORT



RAMCO INSTITUTE OF TECHNOLOGY
Department of Electronics and Communication Engineering
Academic Year: 2022-2023

Cash Voucher

Received with thanks from M/s. Ramco Institute of Technology, Rajapalayam a sum of **Rs. 10,000/-** (Rupees Ten Thousand only) by RTGS for **Honorarium and Travelling Allowance** for being Academic Auditor for the Department of Electronics and Communication Engineering on 28.02.2023 (FN & AN)



Dr. K.Valarmathi,
Prof & Head,
Department Electronics and
Communication Engineering,
P.S.R Engineering College,
Sevalpatti.

ACCOUNT DETAILS: Valarmathi.K

A/C : 81581011000 1266 A/C TYPE : Savings

Bank Name : Bank of India

Branch Address : Bank of India, P.S.R. Engineering college, Sivakasi - 626140

Branch : Psrec

IFSC code : BKID0008158

MICR code : 625013020

Branch code : 8158

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Academic year 2022 - 2023 (Even Semester)
Department of Electronics and Communication Engineering

Academic Audit on 28.02.2023





RAMCO INSTITUTE OF TECHNOLOGY

Department of Mechanical Engineering

Cash Voucher

Received with thanks from M/s. Ramco Institute of Technology, Rajapalayam a sum of **Rs.10,000/-** (Rupees Ten Thousand only) by RTGS for **honorarium & Travelling Allowance** for Academic Audit (Regulation 2021) held on 28.02.2023.

Prof. K. Linga Durai,
Dean,
Anna University Regional Campus,
Madurai

Form No. ADM 10 Rev.No. 00 Effective Date: 09.03.2017

No: 25460 1000 11887

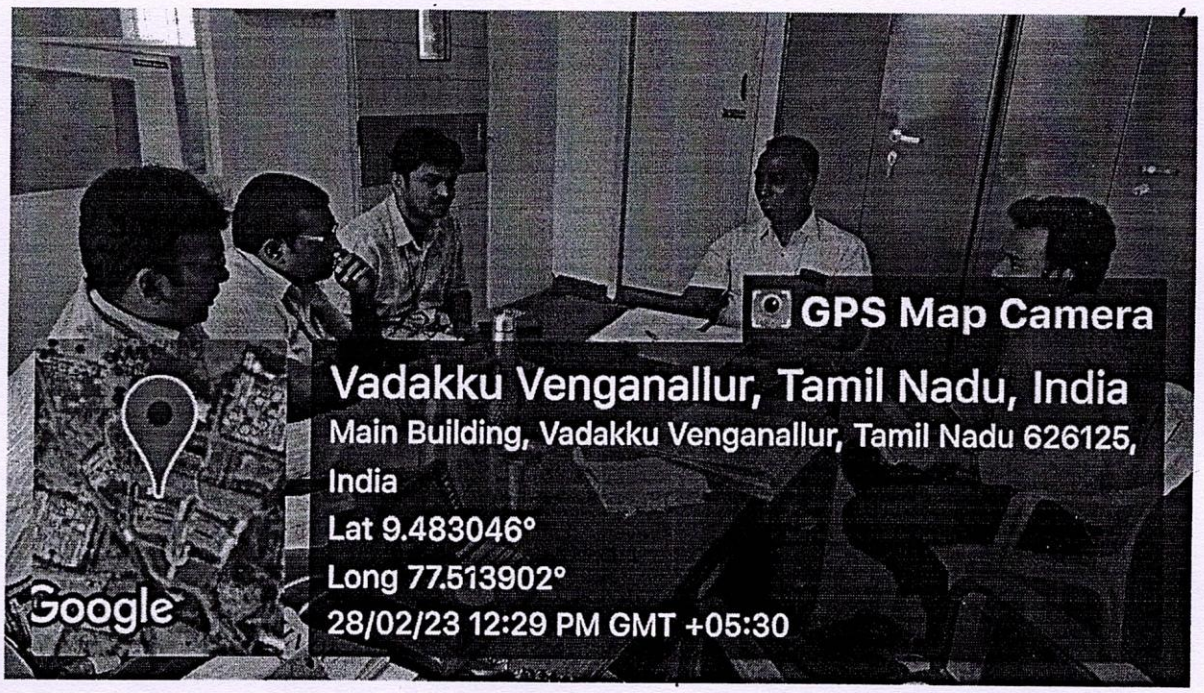
FSC : BARB0 DINDI6J
↑
zero

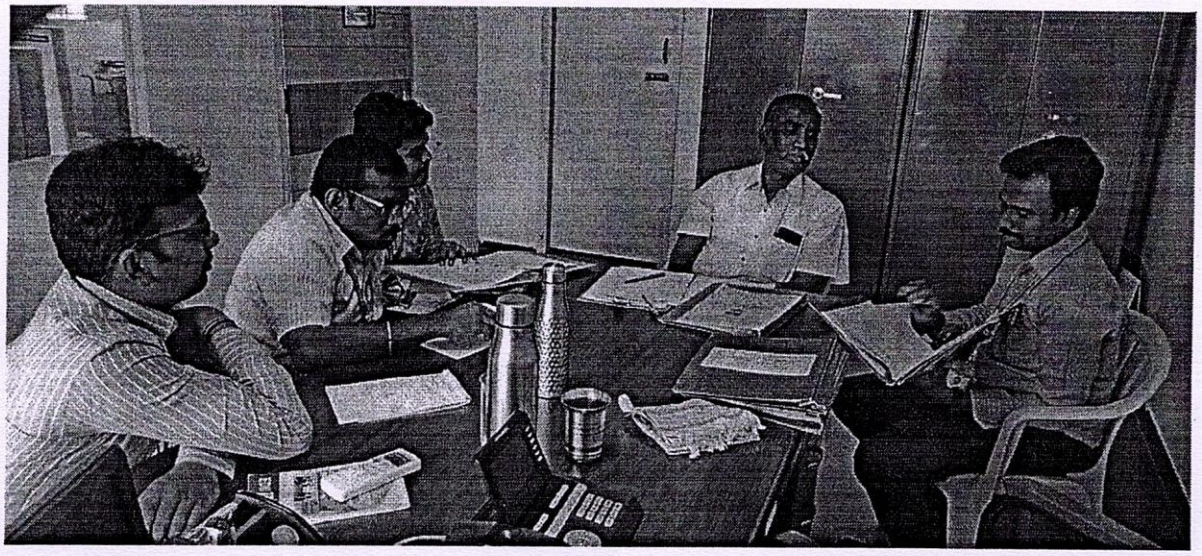
Bank : BOB, Dindigul.

RAMCO INSTITUTE OF TECHNOLOGY

DEPARTMENT OF MECHANICAL ENGINEERING

Academic Audit on 28.02.2023





RAMCO INSTITUTE OF TECHNOLOGY

Department of Artificial Intelligence and Data Science

Cash Voucher

Received with thanks from M/s. Ramco Institute of Technology, Rajapalayam a sum of **Rs.10,000** (Rupees Ten Thousand only) by RTGS for **honorarium/ Travelling Allowance** for Academic Audit held on 28.02.2023

Account Details

Account holder Name	: C.SENTHILKUMAR
Account Number	: 601301906942
Bank Name	: ICICI BANK
Branch Name	: Subramaniapuram
IFSC Code	: ICICI0006013

Signature

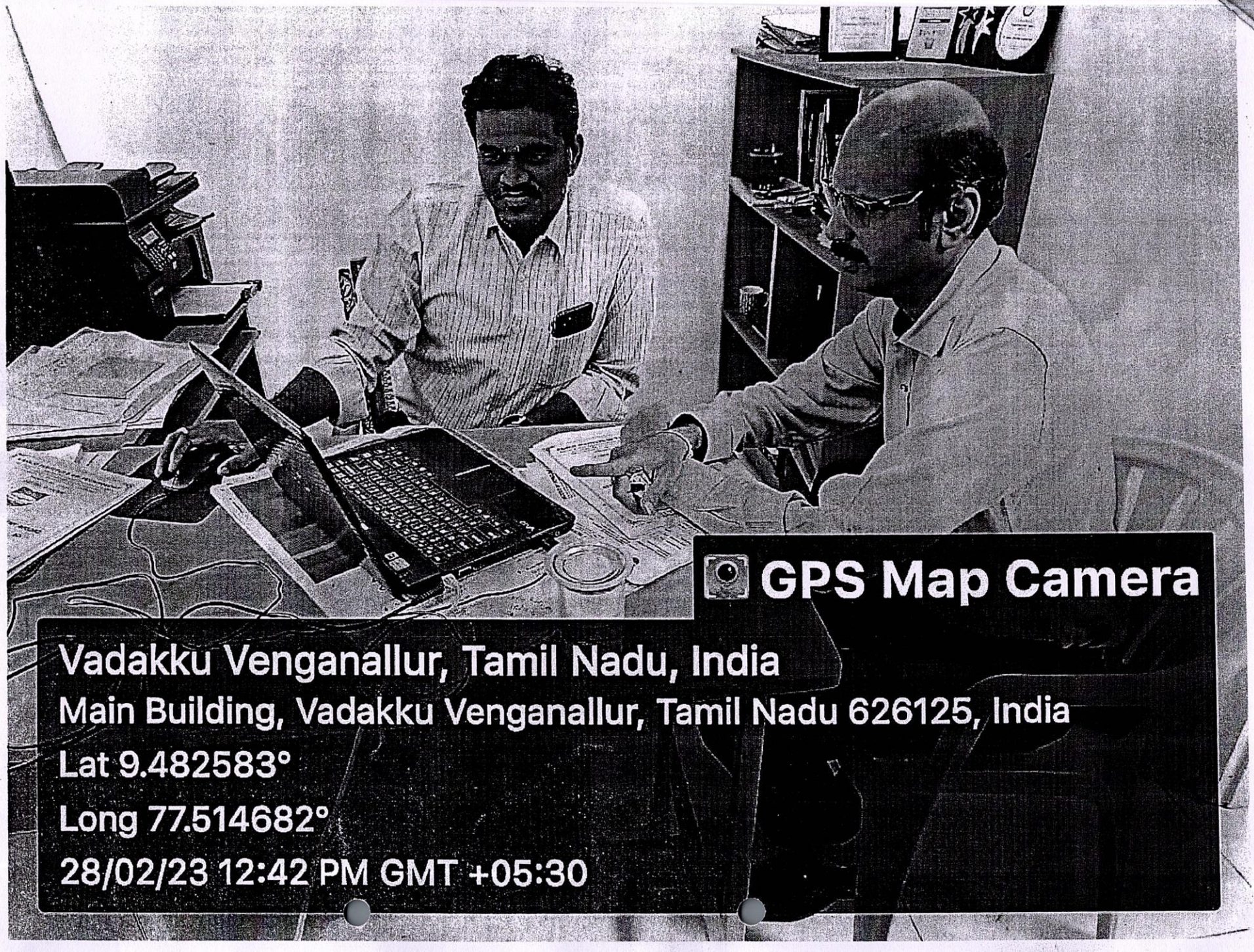
Dr.C.Senthil Kumar

Associate Professor,

Department of CSE,

Thiagarajar College of Engineering,

Madurai


GPS Map Camera
Vadakku Venganallur, Tamil Nadu, India
Main Building, Vadakku Venganallur, Tamil Nadu 626125, India
Lat 9.482583°
Long 77.514682°
28/02/23 12:42 PM GMT +05:30

RAMCO INSTITUTE OF TECHNOLOGY

Department of Physics

Cash Voucher

Received with thanks from M/s. Ramco Institute of Technology, Rajapalayam a sum of 10000/- (Rupees....Ten Thousand only) by RTGS for **honorarium/ Travelling Allowance** for External Academic Audit (Guest Lecture/ Workshop/ Seminar/ Training & Placement/ Conference/ National Symposium) on ..... held on 28.02.2023.

28/2/2023

Signature

(Name and Designation

With full Address)

Dr. M. Hema
Associate Professor
Department of Physics
Kamaraj College of Engg. & Tech
Virudhunagar

Form No. ADM 10 Rev.No. 00 Effective Date: 09.03.2017

Name : M. Hema

Bank : TMB Vinadhinagar Branch

A/c No. 004100720600937

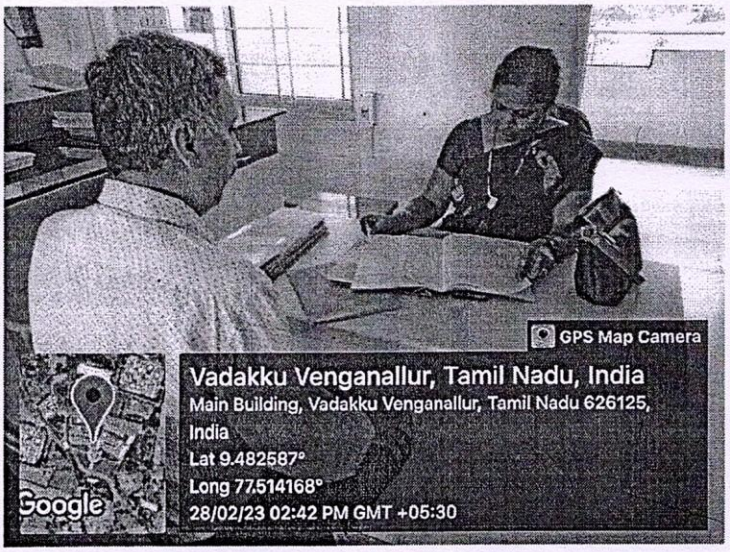
IFSC code : TMBL0000004

Ramco Institute of Technology

Department of Physics

External Academic Audit photos





RAMCO INSTITUTE OF TECHNOLOGY

Department of Chemistry

Cash Voucher

RTGS

Received with thanks from M/s. Ramco Institute of Technology, Rajapalayam a sum of **Rs. 10,000** (Rupees…Ten thousand only..... only) by cash for **honorarium/ Travelling Allowance** for ..... (Guest Lecture/ Workshop/ Seminar/ Training & Placement/ Conference/ National Symposium) on .....**Academic Audit**..... held on 28.02.23.

28/2/23

Signature

(Name and Designation With full Address)

Dr K - Teja Subramanian
Senior Prof & Head
Dept. of Chemistry
Mepco Schlenk Engineering College
Sivakasi - 626005

TMB, Sivakasi

A/c no: 003100710401181

IFSC code no: TMBL0000003

Form No. ADM 10 Rev.No. 00 Effective Date: 09.03.2017

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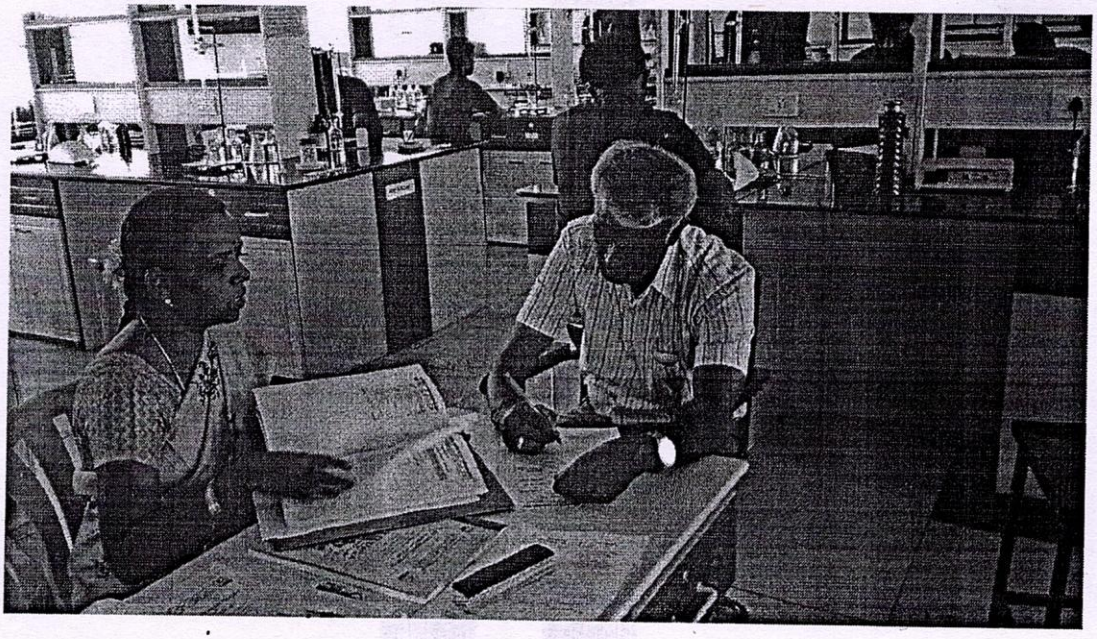
NBA Accredited UG Programs: CSE, EEE, ECE and MECH

Department of Chemistry
Academic Audit 28.02.23





HoD 4/3/23

RAMCO INSTITUTE OF TECHNOLOGY

Department of Mathematics

Cash Voucher

Received with thanks from M/s. Ramco Institute of Technology, Rajapalayam a sum of **Rs. 10,000/-** (Rupees Ten Thousand only) by RTGS for **honorarium & Travelling Allowance** for Academic Audit on Department of Mathematics held on 28.02.2023

Signature 28/02/23

Dr. J. Deepalakshmi

AP (Sl. G), Dept. of Mathematics,

Mepco Schlenk Engineering College,

Sivakasi.

Name of the Bank & Branch : ICICI Bank, Virudhunagar

Account No : 0529 0150 4416

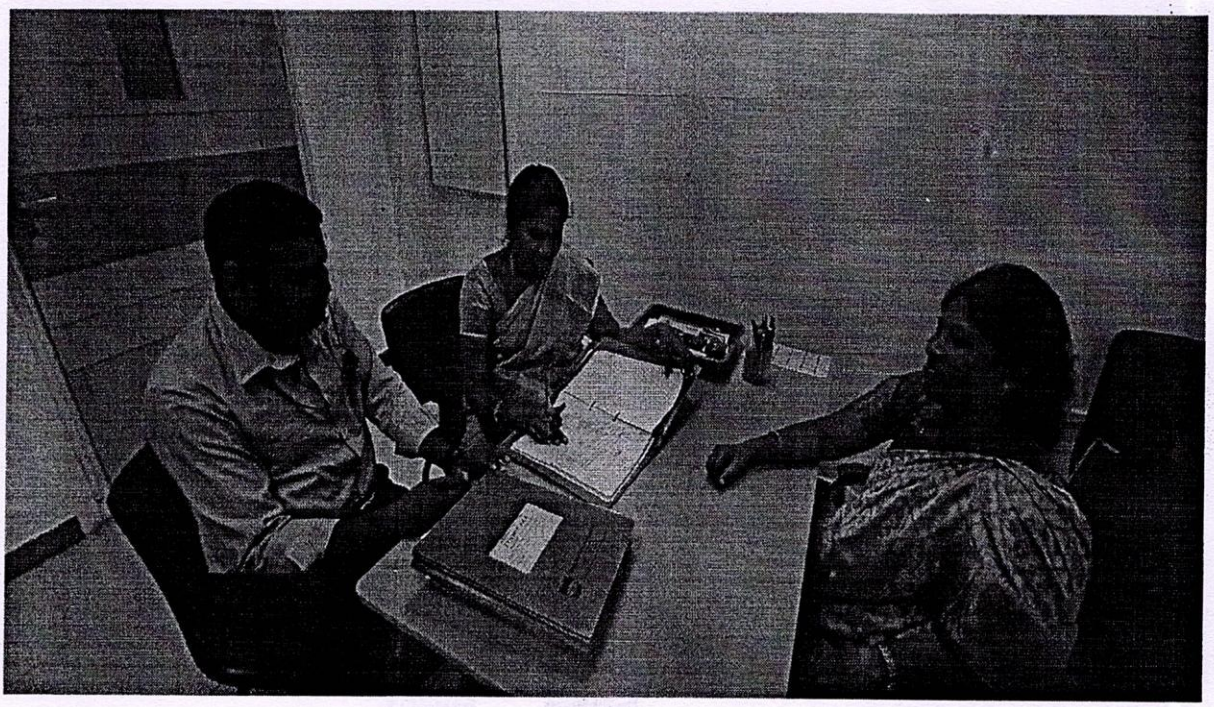
IFSC Code : ICIC000529

RAMCO INSTITUTE OF TECHNOLOGY

DEPARTMENT OF MATHS

ACADEMIC AUDIT REPORT





RAMCO INSTITUTE OF TECHNOLOGY

Department of English

Cash Voucher

Received with thanks from M/s. Ramco Institute of Technology, Rajapalayam a sum of **Rs. 10,000** (Rupees Ten Thousand only) by RTGS for **honorarium/ Travelling Allowance** for the Academic Audit of the English Department-2023 held on 28.02.2023.



(Dr. S. RADHARAM).
28/02/2023

Signature

(Name and Designation

With full Address)

Dr. S. RADHARAM.
Professor of English
Thiagarajar College of Engineering
Madurai - 15.

Dr. S. RADARAM

PROFESSOR OF ENGLISH

Thiagarajar College of Engg.

Madurai - 15.

PAN: AAKPR 1826 P..

ICICI Bank

Thiagarajar College of Engg. Branch

Thiruparankundram,

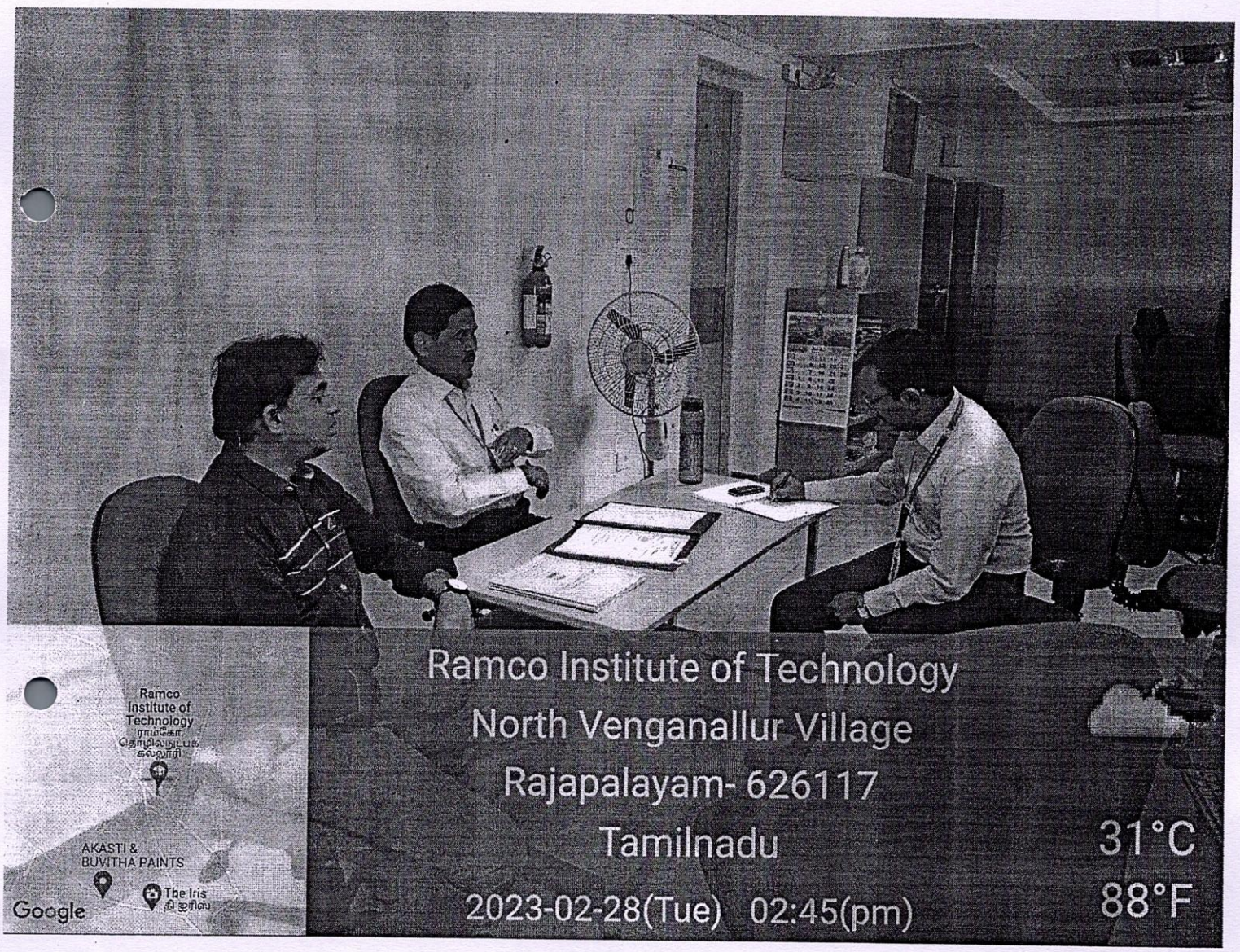
Madurai - 15

SB A C NO : 601301904724

IFSC Code: ICIC 0000563

Branch Code: 000563

MICR Code: 625229014.


Ramco Institute of Technology
North Venganallur Village
Rajapalayam- 626117
Tamilnadu
31°C
88°F
2023-02-28(Tue) 02:45(pm)
Ramco Institute of Technology
AKASTI & BUVITHA PAINTS
The Iris
Google

22.02.2023

Submitted to the Principal:

Respected Sir,

Sub: Requisition for Budget – Academic External Audit (2022-2023) - reg.

As per the Anna University regulation 2021 and AU circular dated on 20.01.2023, it is planned to conduct Academic Audit for the Academic Year 2022-2023 through external subject experts for all the department ODD & EVEN semester courses from 27.02.2022 / 28.02.2023. In this connection, it is proposed to invite subject expert members from affiliated and autonomous institutions. The approximate budget for the same is as follows.

Sl.No	Details	Amount (Rs.)
1	Honorarium for an expert per day (Rs.10,000*1 expert X 10 Departments)	1,00,000/-
	Total (One Lakhs only)	**1,00,000.00**

Academic expert details are given below:

Sl.No	Department / Date of Audit (DoA)	Name of the Expert	Designations	College Address & Contact Number
1.	Civil Engineering DoA: 27.02.23	Dr.J.Jeyanthi	Associate Professor	Department of Civil Engineering Mepco Schlenk Engineering College, Sivakasi. Cell: 9786278347
2.	Computer Science and Engineering (include CSBS & IT) DoA: 27.02.23	Dr.K.G.Srinivasagan	Professor & HOD	Department of IT, National Engineering College, Kovilpatti Cell:9442142502
3.	Electrical and Electronics Engineering DoA: 27.02.23	Dr.M.Willjuice Iruthayarajan	Professor & HOD	Department of EEE National Engineering College, Kovilpatti Cell:9442649406
4.	Electronics and Communication Engineering DoA: 28.02.23	Dr.K.Valarmathi	Professor & HOD	Department of ECE P.S.R Engineering College, Sivakasi Cell: 6380912273
5.	Mechanical Engineering DoA: 28.02.23	Dr.K.Linga Durai	Professor & Dean	Anna University Regional Campus, Madurai Cell: 9443746149

6.	Artificial Intelligence and Data Science DoA: 28.02.23	Dr.C.SenthilKumar	Associate Professor	Department of CSE Thiagarajar College of Engineering Madurai Cell: 9940756249
7.	Physics DoA: 28.02.23	Dr.M.Hema	Associate Professor	Department of Physics, Kamaraj College of Engineering and Technology, Virudhunagar. Cell: 8825891775
8.	Chemistry DoA: 28.02.23	Dr.K.Jeyasubramanian	Senior Professor & HOD	Department of Chemistry, Mepco Schlenk Engineering College, Sivakasi. Cell: 9486028170
9.	Mathematics DoA: 28.02.23	Dr.J.Deepalakshmi	Assistant Professor (Sl.G)	Mepco Schlenk Engineering College, Sivakasi. Cell: 9486026054
10.	English DoA: 28.02.23	Dr.S.Rajaram	Professor	Thiagarajar College of Engineering Madurai Cell: 9442037595

Head of Account: RIT/Academic / Civil, RIT/Academic / CSE, RIT/Academic / EEE, RIT/Academic / ECE, RIT/Academic / MECH, RIT/Academic / AIDS, RIT/Academic / Physics, RIT/Academic / Chemistry, RIT/Academic / Mathematics, RIT/Academic / English

Hence it is requested that the above proposal may kindly be approved and an amount of **Rs.1,00,000/- (One Lakhs)** only may please be sanctioned to conduct the Academic External Audit and please be provided as special lunch and refreshment to the expert.

22/2/23
Academic Coordinator

23/02/23
GM(A)

23/2/23
Vice Principal

Principal

23/2/23

RAMCO INSTITUTE OF TECHNOLOGY

(Approved by AICTE - New Delhi and Affiliated to Anna University - Chennai)
An ISO 9001:2015 certified institution

Dt: 21.10.2021

To

Dr. A. K. Priya,
Associate Professor,
Department of Civil Engineering,
KPR Institute of Engineering and Technology,
Arasur,
Coimbatore - 641 407.

Madam,

Subject: Invitation to act as Online Reviewer for Internal Assessment Test question paper of Even Semester (2020-2021) - Regarding

To enhance the standard of Internal Assessment Test Question paper, it is proposed to conduct the Internal Assessment Test Question paper review at our institute. As per Anna University guidelines, three Internal Assessment Tests are conducted every semester. It is proposed to review the Internal Assessment Test Question paper on par with the standard of Anna University for the academic year 2020-21 Even Semester.

Based on the telephonic acceptance, we would like to invite you to act as expert and reviewer for the Department of Civil Engineering. It would be helpful if you present your kind suggestions and comments about the quality of the question papers to enrich our question paper standard on par with Anna University Question papers. The details of the review are notified hereunder.

Duration of Audit	**: 22.10.2021 to 30.10.2021**
Mode	**: Online**
Questions	**: Internal Assessment Test Question Papers**

Hence, we cordially invite you to be the Reviewer for the same.

Thanking you,

Yours sincerely,

R.I.T.

Principal

PRINCIPAL
Ramco Institute of Technology
Rajapalayam - 626 117

North Venganallur, Rajapalayam - 626 117, Tamil Nadu
Tel : 04563 233400, 233410; Fax : 233499
e-mail : rit.rjpm.office@gmail.com, rit.rjpm@gmail.com, www.ritrjpm.ac.in

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EXAMINATION CONTROL OFFICE

Academic Year (2021-2022)

03.09.2021

Submitted to the Principal:

Sir,

Sub: Requisition for conducting question paper audit for 2020-2021 Even Semester – Reg.

To improve the quality of question paper setting, it is planned to conduct the question paper audit for 2020-21 Even Semester. We wish to conduct the question paper audit (tentatively from 20.09.2021 to 25.09.2021) by external faculty members through online mode from various reputed Deemed/Autonomous/Affiliated institutions. We also propose the remuneration for external faculty members as mentioned below:

S.No.	Department	No. of External Experts	Proposed Budget
1.	Civil	1	Sitting fee of Rs. 4,000/- and Traveling allowance (for both Professor as well as Associate Professor)
2.	CSE	1	
3.	EEE	1	
4.	ECE	2	
5.	MECH	2	
6.	Mathematics	1	

The expenditure incurred for this process will be met under the head of: RIT/Examcell/Miscellaneous

Hence, we request your kind approval to conduct the audit.

3/9/21
Faculty In-charge

3/9/2021
Professor In-charge

03/09/21
DGM (A)

Received on 04/09/21

Vice-Principal

Principal
3/9/21

8x4000 = 32,000/- + TA if any

RAMCO INSTITUTE OF TECHNOLOGY
EXAMINATION CONTROL OFFICE

QUESTION PAPER AUDIT DETAILS

07.12.2021 727

Sl. No.	Department	Name of the expert member	Designation, Department and College	Contact Details	Subject Code	Amount in Rs.	Account Details
1.	Civil	Dr. A. K. Priya	Associate Professor, Department of Civil Engineering, KPR Institute of Engineering and Technology	8870802844	EN8592, GE8291, CE8091 & CE8005	4,000	Name of the Account Bearer : HDFC Account Number: 50100437682968 IFSC Code : HDFC0000031 Branch : Trichy Road
2.	CSE	Dr. S. Thanga Ramya	Associate Professor, Department of Computer Science and Engineering, RMK Engineering College	9791033144	CS8251 & CS8492	4,000	Name of the Account Bearer : S.THANGA RAMYA Account Number: 062201000034597 IFSC Code : IOBA0000622 Branch : KAVARAPETTAI
3.	EEE	Dr. V. Rajini	Professor, Department of Electrical and Electronics Engineering, SSN College of Engineering	9940684159	BE8251, BE8255, EE8005, EE8401, EE8402 & EE8601	4,000	Name of the Account Bearer : V.Rajini Bank Name : Tamilnad Mercantile Bank Ltd Account Number: 158100050070116 IFSC Code : TMBL0000158 Branch : Thiruvanmiyur, Chennai
4.	ECE	Dr. A. Shenbagavalli	Professor & Head, Department of Electronics and Communication Engineering, National Engineering College	9442624114	EC8095, EC8691, EC8452, EC8453 & EC8491	4,000	Name of the Account holder: A.Shenbagavalli Account no: 50100451890300 IFSC code: HDFC0002021 HDFC Bank, Kovilpatti

Sl. No.	Department	Name of the expert member	Designation, Department and College	Contact Details	Subject Code	Amount in Rs.	Account Details
5.	Mechanical	Dr. B. Stalin	Assistant Professor & HoD (i/c), Department of Mechanical Engineering, Anna University Regional Campus,	8072444690	ME8451, ME8691, ME8491, ME8094, CE8395, ME8493, ME8091 & MG8591	4,000	Name: DR. B. STALIN Account Number: 065101000065058 Bank: Indian Overseas Bank Branch: ARIGNAR ANNA NAGAR, MADURAI-20 IFSC Code: IOBA0000651
6.	Mathematics	Dr. M. Haridass	Professor, Department of Mathematics, PSG College of Technology	9443420347	MA8251, MA8491 & MA8451	4,000	Name: M. HARIDASS Account Number: 30062489733 Bank: State Bank of India Branch: Peelamedu, Coimbatore IFSC Code: SBIN0007231
				Total Amount in Rs.		24,000/-	

7/12/21
Faculty In-charge

07/12/21
Professor In-charge

8/12
Accountant

08/12/21
GM (A)

Vice-Principal

RECEIPT OF QUESTION PAPER THROUGH EMAIL

07.12.2021

1. Dr. A. K. Priya

EN8592, GE8291, CE8091 & CE8005:

Exam Cell Rit <examcell@ritrjpm.ac.in>
to a.k.priya

Mon, Nov 8, 4:37 PM

Respected Madam,

As per the acceptance and choice of subject selection by you, herewith, the question paper and the evaluation form are attached. Kindly audit our question papers to bring out the improvement required in setting question papers. The details of the question paper are as follows:

1. GE8291 - Environmental Science and Engineering
2. EN8592 - Wastewater Engineering
3. CE8005 - Air Pollution and Control Engineering
4. CE8091 - Hydrology and Water Resources Engineering

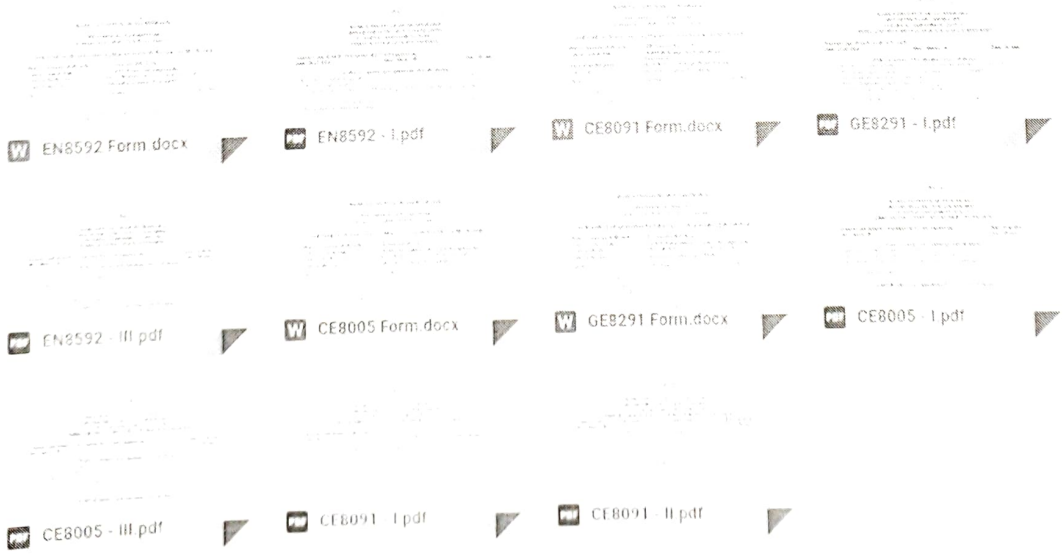
In every file, the question papers for Internal Assessment Test I & III are available. The Remuneration amount for this question paper audit is Rs.4000 -.

After auditing, Kindly fill the form attached and send us the filled-in form for further process. Also, send the following bank details:

Name of the Account bearer	:
Account Number	:
IFSC Code	:
Branch	:

With Regards,
Faculty In-charge.

11 Attachments



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ISO 9001:2015
ID 9108633093

RIT/ECO/2021-22/01

Date: 25.11.2021

To

Dr. A. K. Priya,
Associate Professor,
Department of Civil Engineering,
KPR Institute of Engineering and Technology,
Arasur,
Coimbatore - 641 407.

Dear Madam,

We would like to express our sincere thanks for spending your valuable time with us by reviewing the Internal Assessment Test Question papers of the academic year 2020-21 (Even Semester) for the Department of Civil Engineering.

Your comments and suggestions for the improvement of standard of the Question papers are highly useful for continuous improvement of the assessment and Evaluation process of our Institute. We are expecting your continued support and cooperation in all our institutional development endeavours, in future.

Thanking you,

With regards

25/11/21

Principal

PRINCIPAL
Ramco Institute of Technology
Rajapalayam - 626 117.

North Venganallur, Ayyanarkovil Road, Rajapalayam - 626 117.
Virudhunagar District, Tamil Nadu. Tel : 04563 233400
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