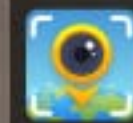


2.6.1

**Programme Outcomes (POs)
and Course Outcomes (COs)
for all Programmes offered
by
the institution are stated and
displayed on website**

**Dissemination of
POs, PSO's & COs**

Commencement of Classes



GPS Map Camera

Vadakku Venganallur, Tamil Nadu, India

Main Building, Vadakku Venganallur, Tamil Nadu 626125, India

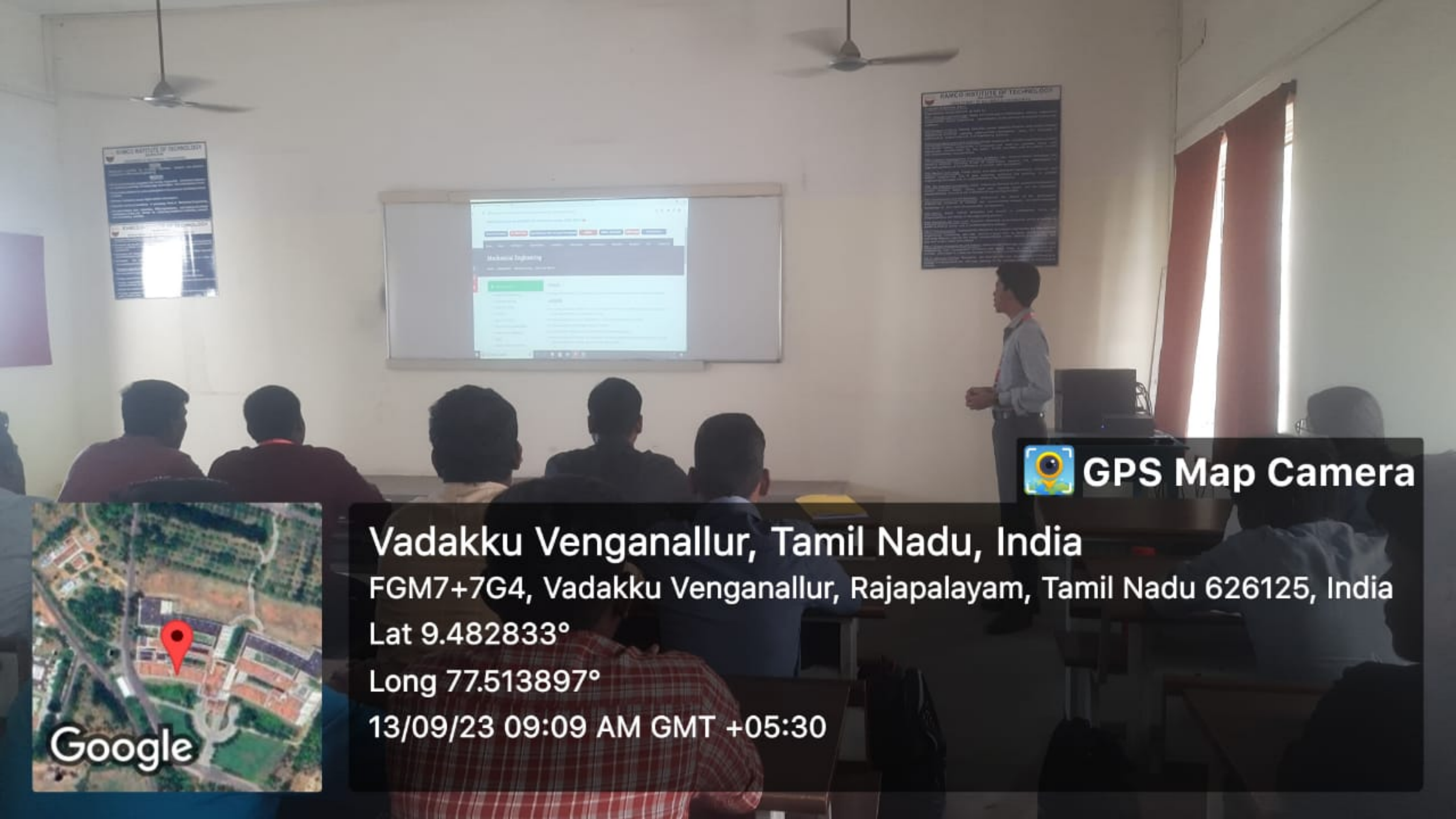
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Vadaku Venganallur, Tamil Nadu, India

FGM7+7G4, Vadaku Venganallur, Rajapalayam, Tamil Nadu 626125, India

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Long 77.513897°

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Dissemination in class room



**Department Advisory
Committee Meeting**



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

Minutes of Meeting – 5th Department Advisory Committee (DAC)

Date of Meeting : 10.09.2022 (Saturday)
Time of Meeting : 10:00 AM to 1:30 PM
Reference : RIT/Mech./DAC/05
Venue : Mechanical Department Seminar Hall
Frequency of meeting : Once in a year

Major functions of Department Advisory Committee meetings are

- Review of Academic plans preparation by the department, Student performance, Faculty contributions, stakeholders feedback and department progress.
- Observe the process Curricular Gap/Content beyond the syllabus to meet PEOs, PSOs and POs.
- Appraisal of Student support system Co-curricular / Extra-Curricular activities
- Monitor the status of continuous improvement.

The meeting was convened with the following agenda:

1. Review of 4th DAC meeting held on 04.09.2021, 4th & 5th Program Assessment and Quality Improvement Committee (PA&QIC) meeting held on 11.02.2022 & 08.07.2022, respectively.
2. Teaching learning process
 - a) Pedagogical initiatives such as real life examples, collaborative learning, ICT supported learning, interactive class rooms etc., and their impact & effectiveness
 - b) Steps taken for improvement in Question paper setting and Evaluation
 - c) Self-learning activities and their impact and effectiveness
3. Impact analysis of industrial training
4. Internship and feedback analysis
5. Initiatives taken in the target set for the attainment of COs/POs/PSOs and addition of Cocurricular and Extracurricular in PO
6. Student Participation (co-curricular and extra-curricular activities)
7. Research and Development (Academic Research, Sponsored Research, Product Development, Research laboratories)
8. Academic Performance Indicators based on Performance Based Appraisal System
9. Faculty participation and contributions
10. Visiting faculty - progress
11. Status of continuous improvement
12. Academic audit implementation and effectiveness

Discussion on

- a) Scope for receiving research grant
- b) Progress towards NIRF ranking
- c) Preparedness for NAAC second cycle (Department Contribution)
- d) Steps to be taken to improve the perception ranking (Outreach and Inclusivity)

The members were present in the meeting are given below.

Members present:

- 1) Mr.T.Thirumalai kumar, Manager HR,Flender India Pvt. Ltd., Chennai.
- 2) Dr.N.Durairaj, Additional General Manager, Boiler Shops Unit II, BHEL, Tiruchi. (R& D Member)
- 3) Dr.R.Jeyapaul, Prof. and Head, Department of Production Engineering, National Institute of Technology, Tiruchirappalli (Academic Member)
- 4) Mr.A.Arun Shenbaga Raj (Batch 2016-2020) Founder & CEO, TN76 Food Delivery Service, Tenkasi.
- 5) Dr.T.Stanley Davis Mani, F/o. S.Biju Danie (IV Year B.E. Mech.) Assistant Professor of Commerce, St.John's College, Palayamkottai, Tirunelveli.

Internal Members from RIT

1. Dr.S.Rajakarunakaran, Prof & Head / Mech.
2. Dr.K.Karthikeyan, ASCP/EEE
3. Dr.M.Gomathy Nayagam, ASCP/CSE
4. Dr.O.Senthilkumar, ASCP/Chemistry
5. Dr.T.Manimaran, ASCP/Maths

6. Dr.P.Sureshkumar, ASCP/Mech.
7. Dr.V.Sivakumar, ASCP/Mech.
8. Mr.J.Jerold John Britto, AP(SG)/Mech.
9. Mr.R.Arun Kumar, AP/Mech., RIT
10. Mr.K.Bharath (Reg. No. 953619114010), IV Year Mech.
11. Mr.J.M.Bala Abisheik (Reg. No.953620114003), III Year Mech.)

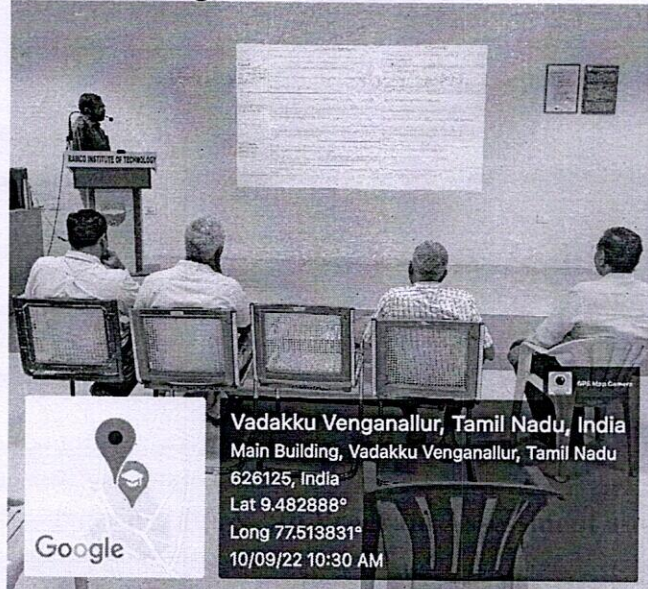
Faculty Members – Dept. of Mech. Engg., RIT

- 1) Prof.L.Vijayaraghavan – Adjunct Professor
- 2) Dr.S.Godwin Barnabas, ASCP
- 3) Dr.M.Lakshmanan, AP(Sr.Gr.)
- 4) Mr.M.Ashok Kumar, AP(Sr.Gr.)
- 5) Mr.C.Gururaj, AP(Sr.Gr.)
- 6) Mr.M.Sivagaminathan alias Balaji, AP(Sr.Gr.)
- 7) Mr.G.Prabu ram, AP(Sr.Gr.)
- 8) Mr.S.Maharajan, AP
- 9) Mr.S.Valai Ganesh, AP
- 10) Dr.J.Jabinth, AP
- 11) Mr.L.Karthikeyan, AP
- 12) Mr.R.Venkatesh, AP
- 13) Mr.M.Ramar, AP
- 14) Mr.P.Pavithran, AP
- 15) Mr.S.Kathiravan, AP

Leave / On Duty

S.No.	Name of the member	Designation	Position	CL/OD/ Remarks
1.	Dr.P.Maran	Professor, Department of Mechanical Engineering, TCE, Madurai	Academic Member	Academic work
2.	Mr.V.K. Vikram	(Batch 2015-2019) Systems Engineer, Infosys Limited, Technopark Campus, Tirvandrum, Kerala	Alumni Member	Official work
3.	Mr.S.Shanmugam	(Batch 2015-2019) Senior Executive, Rane TRW Steering Systems Pvt Ltd. Alwarpet, Chennai.	Alumni Member	Official work
4.	Mr.D.Sree Balasubramanian,	F/o S.Pradeep durai (III Year B.E. Mech.) Office Superintendent, BSNL, Nagarcoil.	Student Parent	Official work
5.	Mr.S.Ramar	F/o. K.Ram Kumar (IV Year B.E. Mech.) Second Grade Teacher, Panchayat Union Primary School, Thumpakkulam	Student parent	Personal work
6.	Mr.T.Chockalingam,	AP/Civil, RIT	Internal Member	Personal work
7.	Mr.R.Dinesh	IV Year Mech.	Student Member	NSS work

1. Review of 4th DAC meeting, 4th & 5th Program Assessment and Quality Improvement Committee (PA&QIC) meeting.



Dr.P.Sureshkumar, ASCP/Mech. presented the progress and salient action taken for the suggestions given in the 4th DAC meeting held on 04.09.2021, 4th & 5th Program Assessment and Quality Improvement Committee (PA&QIC) meeting held on 11.02.2022 & 08.07.2022, respectively.

4th DAC Meeting (04.09.2021)

Suggestions	Action Taken
Student Centric Suggestions and its implementations	
Upgrade the FDP related to industries to get more exposure about industrial needs	<p>FDP conducted through industry person</p> <ul style="list-style-type: none"> • Robotic Process Automation organised by UI Path Academy during 14-18 Feb., 2022 • “Episode-5 Live on Digitalisation, Connectivity & Communication” organized by Festo India Private Limited, Bengaluru on 18 Aug., 2022. • “Python 101 for Data Science” offered by IBM on 24 July, 2022. • “Data Analysis with Python” offered by IBM on 25 July, 2022. • “Deep Learning Fundamentals” offered by IBM on 19 July, 2022. • “Project Organization in Studio, “Debugging in Studio, “Orchestrator for RPA Developers by Uipath academy
Enhance the number of industry based projects from the final year student project work	05 industry project were completed (03 GowriHouse Metal works, 02 ARAVINDH HERBAL lab Pvt.Ltd.,
Industry exposure to students can be improved	Industry Visit Arranged, Students are Motivated for Internship & Inplant Training
Give industrial mentors for 5 batch of students	Previous year itself implemented , this year also will be continued
Awareness to be given to the students about competitive exams	Conducted GATE AWARENESS Programme, Ms. B. Padmavathi, Anna University, Chennai. “Experience the Transformation through

Suggestions	Action Taken
	Learning” Major Ramkumar V, Indian Army
Improve the department level career guidance cell activities (GATE, GRE, MAT)	GATE, GRE, TNPSC technical service, BEC awareness were given.
Guide the third year students to participate in GATE exam.	GATE coaching classes are regularly conducted.
Faculty and Department Centric Suggestions and its implementations	
Evaluation of CO, PO attainment can be done during the mid-semester to improve teaching and learning process in course of semester	Implemented and faculty member are following the instruction
Academic connections can be made for students to connect with reputed institutions related to higher studies or research	6 MoU Signed with academic institution
Best performers award may be given to the faculty members during the teachers day	Every year during college day: best teacher award and best class advisor award given for the deserving faculty member
Peer group can be implemented for non-attainment course.	Collaborative learning (peer learning) were implemented during tutorial hour

Suggestions and action taken for 4th PAQIC Meeting conducted on 11.02.2022 (Friday)

Suggestions	Action Taken
Student Centric Suggestions and its implementations	
Encourage students to participate in internships and in-plant training at all of the organizations with which you have signed memorandums of understanding.	Students were received internship and inplant training from 7 out of 27 organizations having MoU with our institute.
Improve the stipend based internship opportunities to the students	30 Students completed internship with stipend in companies such as Zoho, Intellipaat, etc.,
Formulate team members consist of senior and junior students in various competitions in order to disseminate knowledge and exposure among students	Student groups are formed in SAE driverless vehicle Competition
Maintain a knowledge repository of questions asked in interviews.	Interview questions were collected from the students after they attended interview and the same are maintained in the department
Involve the student members to take part in research proposal submission.	Student members are included in IE(I) proposal, TNSCST, and MSME proposal
Concentrate more on student progression towards higher education and entrepreneurial culture	GATE Coaching conducted for the students and entrepreneurial awareness program conducted through IIC
Faculty and Department Centric Suggestions and its implementations	
Incorporate quantitative measures in outcome attainment.	Internship outcome attainment calculated and described with three levels
MoU's supporting entrepreneurship activities can be signed in future for the benefit of students	MoU signed with Rajapalayam Raju's college for emphasizing on Entrepreneurial activities through IIC
Few of the MoU's which are in expiry should be renewed	Analysis were done, the star rating were given based on the outcome. Expiry MoUs are renewed.
Domain specific industries MoU's can be signed in future for the efficient outcomes	Plan for signing domain specific companies and R&D Lab, at present Design: 07, Manufacturing: 09, Thermal: 02

Suggestions	Action Taken
Map the faculty participations to the subject and to extract more outcomes.	Online course and ATAL FDP leaned content are used in their respective subjects
Prepare monogram and chart and circulate the same to the students.	The monogram and chart preparation was discussed in DRM and It will be done this semester
Get critiques and reviews for the innovative practices from the various stake holders.	Discussed in DRM and Domain wise courses were selected
Appoint adjunct faculty for the department	Appointed and 20 hours handled in Advanced Manufacturing subject Name: Prof.L. Vijayaraghavan, Retired Professor, IITMadras, Chennai.
Avoid publishing the papers other than Scopus and SCI(E) indexed journals and enhance the number of quality publication indexed in SCI(E).	Faculties are publishing only Scopus (9) and SCI(E) Journals (10) during the AY 2021-2022
Formulate peer review committee to ensure the quality of e-learning resources and e-lectures to be uploaded in e-sharing forums.	Nominated the committee which consist of senior faculty members and Criterion 2 faculty in charges (15 e- lectures are shared in social media)

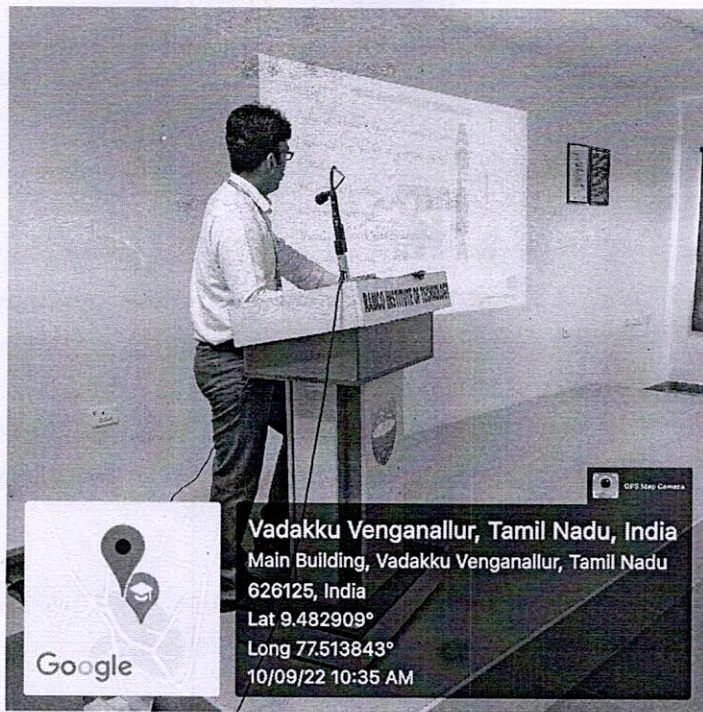
Suggestions and action taken for 5^h PAQIC Meeting conducted on 08.07.2022 (Friday)

Suggestions	Action To be Taken
Student Centric suggestions and implementations	
Include the outcome of Value added courses and Innovative practices in the attainment calculation	Before and after conducting Value added courses and innovative practices the assessment will be done.
Measure the outcome of slow learners	Suggested the faculty members to measure the outcome of slow learners after conducting special classes
Identified the lack of modern tool usage in many subjects	Modern tool usage are implemented for the needy subjects
Keep the proof of feedback collection from the students	Few implementation proofs will be gathered after getting feedback from students.
Appreciated the student's performance in the academic year 2020 – 2021 and advised to include average and median salary in the presentation next time	Calculated the average and Median salary of the students placed in the academic year 2020 – 2021. Average Salary Rs. 1,83,737/- and Median Salary Rs. 1,68,000/-
Improve the number of Internship & In-Plant Training by the students	The number of Internship & In-Plant Training by the students will be improved through the MoU signed company
Faculty and Department Centric Suggestions and implementations	
Identify the CO not attained subjects Highly attained subjects and Highly attained PO values	Identified the CO not attained subjects, highly attained subjects and Highly attained PO values.
Increase the number of outcomes from the MoU signed industries	<ul style="list-style-type: none"> • Allotted Faculty members are suggested to request more guest lectures and Industrial visits through Industrial experts from the MoU signed industries. • It is planned to generate more industry authored papers in future from the completed students project work carried out in the industry.

Suggestions	Action To be Taken
	<ul style="list-style-type: none"> Planned to offer more value added credit course for the RIT students from the recent cutting edge technologies from the MoU signed industries.
Incorporate quantitative measures in outcome attainment	<ul style="list-style-type: none"> Internship assessment can be considered for attainment calculation.
Asked reforms/ identifications done for academic year 21-22	<ul style="list-style-type: none"> The reforms/identifications will be done for the AY 21-22.
Enhance the number of interdisciplinary project proposal submission	<ul style="list-style-type: none"> Constituted the committee comprises the members of IITM PALS from each department. Developed the specific policy for interdisciplinary project promotion. Regularly participating the project contest conducted by IITM PALS InnoWAH competition
Collaborate to work with mathematical faculty and introduce mathematical modeling in the project proposal.	<ul style="list-style-type: none"> Two project proposal were submitted in SERB MATRCIS and SERB power grant - gone to evaluation stage – not selected. Two faculty member doing mathematical modelling for their Ph.D work along with Mathematics faculty members
Submit a review paper and communicate one Journal paper from the outcome of the DST project	<ul style="list-style-type: none"> Based on the trial run, one book chapter, three papers published in Journal and six papers are presented in the international conference.
Commercialize the product “Ground nut pot separator” Apply patent and Journal publication	<ul style="list-style-type: none"> Field test is completed . The proposal submitted to IITM incubation cell through IITM RuTag for commercialization.
Scale up the proposal “Dual Benefit in using the Waste Tyre for Wastewater Treatment and Production of Automotive Seals and Gaskets” submitted to DST – WMT	<ul style="list-style-type: none"> Team of student members will be identified and the further study will be done in this AY 2022-2023
Create the pathway to appoint Honorary Professor in the field of Mechanical Engineering	<ul style="list-style-type: none"> Appointed a Honorary Professor Dr. Wojciech Borek, Silesian Institute of technology, Poland
Offer internship to the students in the R&D section and promote research activities	<ul style="list-style-type: none"> The necessary action will be taken through Internship coordinator / Placement coordinator / Research coordinator

2. Teaching learning process

- Pedagogical initiatives such as real life examples, collaborative learning, ICT supported learning, interactive class rooms etc., and their impact & effectiveness
- Steps taken for improvement in Question paper setting and Evaluation
- Self-learning activities and their impact and effectiveness



Mr.R.Arun Kumar, AP/Mech. briefed the Teaching learning process, Impact analysis of industrial training and Internship & feedback analysis

- ✓ Listed out the pedagogical initiatives done by the department over the period.
 - Introduction of domains (Design, Manufacturing, Thermal and Management)
 - Innovative practices done in the AY 2021-2022
(<https://www.ritrjpm.ac.in/departments/mechanical-engg/mech-innovative-practices-2021-2022.php>)
 - Action taken for slow learners and fast learners improvement
 - Steps taken in the identification of Curriculum Gap and its reflections in R-2021 (ME 3461 – Thermal Engineering Laboratory, ME3611, Heat Transfer Laboratory and CME362 Energy Conservation in Industries)
 - Curriculum gap addressing through new value added courses (MVA023 – IoT and Augmented Reality Applications in Mechanical Engineering, MVA025 – Python for Mechanical Engineering Systems, and MVA027 – Automation Design of Soft Robots)
 - Assessment quality check existing and new process
- ✓ Briefed the inferences in the assessment of question paper quality check process
- ✓ Self-learning initiatives done by the students through coursera, edX, NPTEL, udemy, MATLAB, Great Learning and LinkedIn Learning.
- ✓ Implementation of rubrics prescribed by AICTE reformation policy in student projects (ME8682-Design and Fabrication project & ME8811-Project Work)

3. Impact analysis of industrial training

Improvements in the internship (AY2020-2021: 35 students, AY2021-2022: 102 students) through the reputed industries and institutions (NSICL, TEAL, FSM, NPHSAT, IIT Delhi, Vaayusastra Aerospace Pvt. Ltd.), Internship with placement (Intellipat – 2, Zoho – 1), Internship from MoU signed Companies (The Ramco Cements Ltd. – 12, Medsby Health Care Solutions – 19, Elevation – 3) Internship with project (Gowri House Metals – 4 students and Rajapalayam Mills – 10 students) and formulation of CO statements and its attainment (CO1 – 3, CO2 – 3)

4. Impact analysis of industrial training

Collection of feedback about internship and its action taken, and effectiveness of MoU with industry.

Listed out the forthcoming activities

- a. Separate E mail ID for IIIC
- b. Exclusive menu for IIIC in website with the sub headings of Vision, Mission, Department level Coordinators, Institute –Industry MoU, Institute- Institute MoU, Center of Excellence, Industry linked laboratories, Industry collaborated Project, RI4C- Newsletters, Activities and Annual Activities .
- c. Quality Objectives for IIIC the Academic Year 2022-23 with Target
- d. IIIC Coordinator and Department Coordinators preparing the book of activities in every year end and submitting it to industry/institute
- e. Focusing on Government R&D lab MoU
- f. MoU with Multinational/large scale industries
- g. Industry - Institute Conclave

5. Initiatives taken in the target set for the attainment of COs/POs/PSOs and addition of Cocurricular and Extracurricular in PO



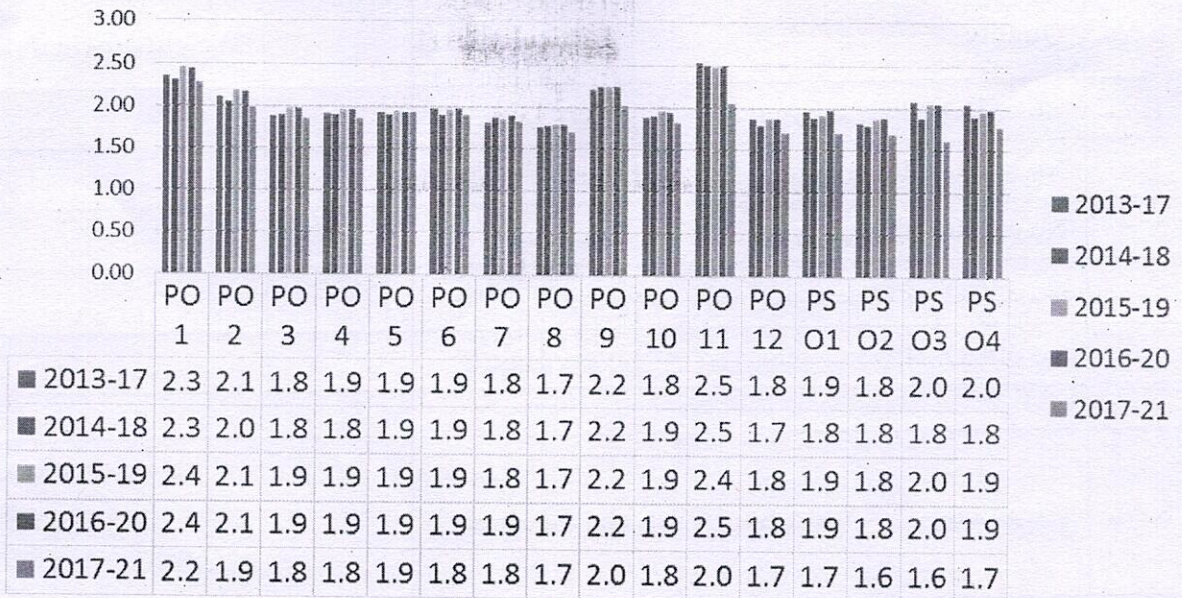
Dr.J.Jabinth, AP/Mech. delivered the initiatives taken in the target set for the attainment of COs/POs/PSOs and addition of Cocurricular and Extracurricular in PO

The points presented in the 5th DAC meeting by **Dr.J.Jabinth, AP/Mech.** are as follows,

- a. Assessment methods practiced in the last academic year.

Direct	Indirect
Internal Assessment Test 1,2,3, Assignmen Quiz, Course End Survey	Alumni Exit survey, Program Exit survey

- b. Course outcome attainment procedure, GPA calculation for target setting, and PO/PSO attainment



c. Proposed a new CO attainment calculation procedure for Manufacturing domain

S.No.	Parameters	Allocated Weightage (%)			
		Method I	Method 2	Method 3	Method 4
1.	Number of Times Subject handled	10%	10%	10%	10%
2.	Faculty Experience	30%	20%	10%	10%
3.	Subject Quality	20%	30%	20%	10%
4.	Student Quality	40%	40%	60%	70%

S.No	Parameters	Method 2 Selected	Criteria Followed
1.	Number of Times Subject handled	10%	Less than 2 times handled – 5% weightage (1.5) Equal to 2 times – 7.5% weightage (2.25) Equal to 3 and above 3 times handled – 10% weightage (3)
2.	Faculty Experience	20%	Less than 3 years experience - 8% weightage (1.2) Equal to and greater than 3 and less than 5 Years - 12% weightage (1.8) Equal to and greater than 5 Years - 20% weightage (3)
3.	Subject Quality	30%	Rubrics
4.	Student Quality	40%	Overall Grade point average (GPA) of previous semesters results (In case III semester subjects, consider student's performance in I & II Semester and HSC marks)

S.No.	Quality	Difficulty level	Weightage (in 3 point scale)
1.	No of CO – PO mapping 3	Very Low	3
2.	No of CO – PO mapping 5	Low	2.5
3.	No of CO – PO mapping 7	Medium	2
5.	No of CO – PO mapping 10	High	1.5
6.	No of CO – PO mapping 12	Very High	1

S.No	Parameters	Allocation	Criteria Followed	CO Target obtained for each parameter
1.	Number of Times Subject handled	10%	Less than 2 times handled – 5% weightage (1.5) Equal to 2 times – 7.5% weightage (2.25) Equal to 3 and above 3 times handled – 10% weightage (3)	$3 \times 0.1 = 0.3$
2.	Faculty Experience	20%	Less than 3 years experience - 8% weightage (1.2) Equal to and greater than 3 and less than 5 Years - 12% weightage (1.8) Equal to and greater than 5 Years - 20% weightage (3)	$3 \times 0.2 = 0.6$
3.	Subject Quality	30%	Difficulty level very High – (1) Difficulty level High – (1.5) Difficulty level Medium – (2) Difficulty level Low – (2.5) Difficulty level very Low – (3)	$2 \times 0.3 = 0.6$
4.	Student Quality	40%	Overall Grade point average (GPA) of previous semesters results (In case III semester subjects, consider student's performance in I & II Semester and HSC marks) Average overall pass percentage (considering Ist year result and HSC marks) = $(83.57\% + 81.52\%) / 2 = 82.55\%$ Converted into 3 point scale (2.47)	$2.47 \times 0.4 = 0.98$
CO Target				2.48

d. Proposed a new CO attainment calculation procedure for Design domain

Course Name: ME8594 - Dynamics of Machines							
Batch of the Student	O	A+	A	B+	B	U	Student Count
2017 - 21	0	3	19	18	56	20	116
2018 - 22	0	38	28	21	11	0	98
2019 - 23	3	38	5	1	0	0	47

Sum of Students	3	79	52	40	67	20	261
Cumulative Percentage (%)	1.15	31.4	51.34	66.67	92.34	100	
Expected Proficiency (EP)	As Cumulative reached 50% for A grade (70-80%). It is the EP (70%)						
Attainment Level (%) (Roundoff) – Adding 25% more than EP	1.44 (1.5)	39.27 (40)	64.18 (65)	83.33 (85)	115.42 (100)	125 (100)	
Expected Level of Attainment (ELA) (%)			65				

Sl.No	Student Name	CO1 (100)	CO2 (100)	CO3 (100)	CO4 (100)	CO5 (100)	Univ
1	XYZ	50	65	70	98	41	70
2	XYZ	34	60	90	97	22	60
3	XYZ	33	70	80	56	79	80
4	XYZ	56	85	89	77	33	60
5	XYZ	12	78	90	79	83	50
Max Marks		100	100	100	100	100	100
Max mark w.r. to Exp. Proficiency(70%)		70	70	70	70	70	70
No. Students scored above EP		0	3	5	4	2	2
% of Students(x)			60	100	80	40	40
$CO_{IE} \left[\left(\frac{x}{ELA} \right) \times 100 \right] \%$			92.37	153.84	123.07	61.5	61.5
CO_{IE}			2	3	3	1	1
CO_{IE}		1.8					1

Expected Proficiency – A(70%), Expected Learning Attainment – 65%

If, $[[CO]]_{IE} \geq 60$, Attainment is 1, $CO]]_{IE} \geq 80$, Attainment is 2

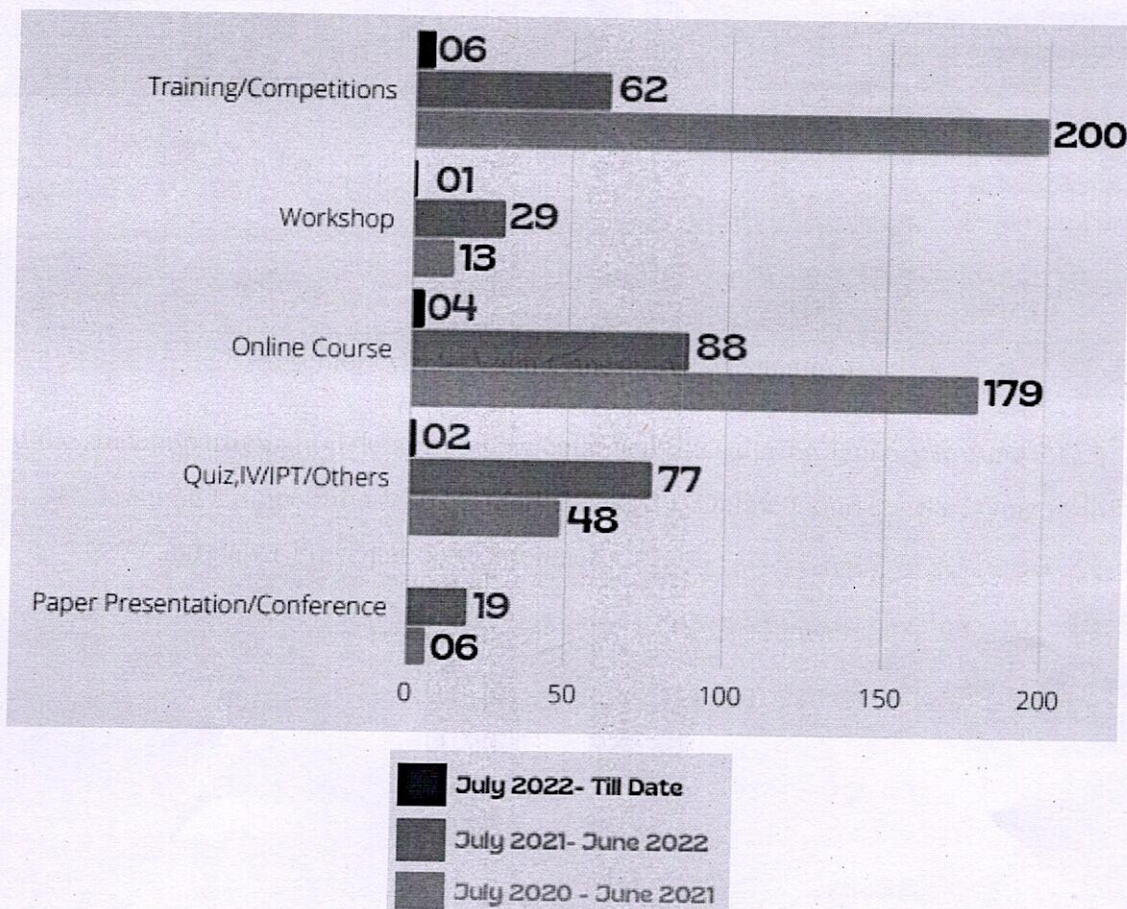
$[[CO]]_{IE} \geq 100$, Attainment is 3

6. Student Participation (co-curricular and extra-curricular activities)



Presenter: Mr. S. Valai Ganesh, AP/Mechanical

- Presented the student participation details co-curricular activities during January to June 2022
 - Training/Competitions – 62 , Workshop – 29, Online Course – 88 , Quiz,IV/IPT/Others – 77 and Paper Presentation/Conference - 19



- Highlighted the Outside Tamil Nadu Participations

- Two students presented Papers in International Conference on Sustainable Materials, Manufacturing & Industrial Engineering (ICSMMIE-2022) organized by Siddaganga Institute of Technology, Karnataka during July, 2022,
- II Mech Student attended an event on “Analytico, Who’s The Boss and Brainstorm” organised by VNIT, Nagpur during 24-27 Mar., 2022
- 14 IV Mech Student completed their “Advanced Diploma in Safety course practical” conducted by the TÜV Rheinland NIFE Academy during 24-31 Mar.,2022 in Warangal, Telangana.
- 7 II Mech, 12 III Mech and 1 IV Mech students participated in a “NVIDIA Global Technology Conference” organised by NVIDIA, USA during 21-24 Mar., 2022
- 1 IV Mech student participated in the Online International Seminar on “Changing Paradigms of Global Supply Chains” conducted by EM Normandie Business School, France on 11 Mar., 2022
- M. Thojesh Nandha, S. Santhosh, K. Raghuram, S. Nishanth, S. Shayam Sundar, and M. Tamilarasan, IV/Mech of “Team Hashtag” of RIT received prototype funding of amount Rs.7004 for the Alleviate event conducted by Mechanical Engineers Association of IIT, Madras on 07 Sep., 2021.
- R. Dhanam Krishnan, S. Rishwanth, G. L. Vasu Krishna, IV Mech passed “Cambridge Business English Certificate (BEC) at Beginner level” conducted by Cambridge Assessment on 05 Aug., 2021.
- S. Sridharan, IV Mech passed “Cambridge Business English Certificate (BEC) at Vantage level” conducted by Cambridge Assessment on 05 Aug., 2021. B. Keerthivasan, II Mech awarded as “Outstanding Performance in National Engineering Olympiad 4.0” with AIR 15 in the category-First-year Engineering on 03 July, 2021.
- Continuous Auditing in Gowri house metal Works for 5S Monitoring, TQM and TPM Techniques by M. Thojesh Nandha, M. Nalliraj Madhavan, S.Ramhari Prasad and H.Prasaana Venkatesh, IV Mech
- 40 Students from Mechanical Engineering received "Best Library User Award" in Ramco Institute of Technology, Rajapalayam
- M. Thojesh Nandha, IV Mech was invited to give a “Motivation talk to the participants of the Online Youth Leadership Training Program – YLTP” conducted by Art of Living International Center, Bangalore on 27 Aug., 2021.
- Listed out the student achievements
 - The Hon'ble Chief Minister Shri M. K.Stalin congratulated our students R.Dinesh and Soumya Souvik Khuntia of III Mech received Bronze Medal in "Robot System Integration Skill" during National Finals and received their medals at New Delhi during January 2022 on 14 Mar.,2022

- S. Jehaveerapandian, G. Dinesh Kumar, III Mech received I Prize in “Circuit Design and Debugging” organized by the Department of Mechatronics, Thiagarajar College of Engineering, Madurai on 28 May, 2022
- R. Dinesh, R. Shyam Sundar, III Mech received II Prize in “PLC Circuit Design Challenge” organized by the Department of Mechatronics, Thiagarajar College of Engineering, Madurai on 28 May, 2022.

● Student Publications and Grant Details

- One Copyright work registered in Artificial Intelligence in Automotive Systems
- Four Patents were filed during this period
- Received a grant of Rs. 1,82,800/- from MSME and Rs. 31,970/- from IEI
- 4 Students are actively involved in making 6 different proposals under Swachh Technology, Challenge, Ministry of Housing and Urban Affairs, Government of India
- 19 Papers were presented in National and International Conference conducted across India

● Extra-Curricular Activities (Annual Sports Day 2021-2022)

S.NO.	Game	Winner - Gold	Runner - Silver	Runner - Bronze
1.	KABBADI	02 IV Mech	01 III Mech	-
2.	FOOTBALL	01 II, III and IV Mech	02 III, IV, and 01 II Mech	-
3.	CRICKET	04 II and III Mech	02 I and 04 IV Mech	-
4.	VOLLEYBALL	01 IV Mech	01 IV Mech	-
5.	HOCKEY	01 I, II and IV Mech	02 II, 01 III and IV Mech	-
6.	BALL BADMINTON	03 I Mech	01 II and 03 III Mech	-
7.	BADMINTON (DOUBLES)	-	01 III Mech	-
8.	TABLE TENNIS	-	01 III Mech	-
9.	JAVELIN	II MECH	-	II MECH
10.	DISCUSS	II MECH	-	I MECH
11.	HAMMER THROW	II MECH	IV MECH	
12.	4 X 100 MTS RELAY	III MECH	III MECH	I MECH
13.	4 X 400 MTS RELAY	III MECH	III MECH	III MECH
14.	200 MTS	-	III MECH	-
15.	5000 MTS	-	III MECH	I MECH
16.	LONG JUMP	-	III MECH	-
17.	SHOT-PUT	-	IV MECH	-
18.	TRIPLE JUMP	-	III MECH	I MECH
19.	100 MTS	-	-	III MECH

7. Faculty participation and contributions Research and Development (Academic Research, Sponsored Research, Product Development, Research laboratories)

Dr.S.Godwin Barnabas, ASP/Mech. presented the Research and Development (Academic Research, Sponsored Research, Product Development, Research laboratories), Academic Performance Indicators based on Performance Based Appraisal System, Faculty participation and contributions, and Visiting faculty - progress

Research and Development:

- ✓ Listed out the project proposal submitted during AY2021-2022 under various agencies DST-CRG – 5, DST-DDP – 2, DST-TMD – 1, IIT Madras – RuTAG – 1, UGC-DAE CSR – 1, DST – SEED Division – 2, SERB – SUPRA – 2, DST – MATRICS – 1, IEI – R&D Scheme – 1, (Domain wise: Design and Materials 6, Manufacturing and Industrial Engineering 5, and Thermal 5)

Completed Project Status:

- ✓ "Industrial Automation using Smart Production Station" under AICTE MODROBS final completion report Submitted to AICTE on 28.12.2021
- ✓ Carried out a ten-day training program on "SIEMENS Train the Trainer on Mechatronics" during 20 July- 30 July 2022

On-going Projects Status:

"Design and Development of Dehydrating device for continuous processing of herbal leaves" under DST SSTP

- ✓ Utilization certificate for FY-2019-20, FY-2020-21 and FY 2021-22 and project completion report have been sent to DST and asked for a one year extension & the balance amount of Rs. 8,18,000 /- to complete the project successfully.

Project Outcomes:

- ✓ Based on the trial run, one book chapter, three papers published in Journal and six papers are presented in the international conference.

"Design and separation of ground nut pod separator" under RuTAG IIT Madras

- ✓ Status of work carried out
 - 2019 - Manual operated ground nut pod separator
 - 2020 - Motorized ground nut pod separator
 - 2021 - Upgraded Motorized ground nut pod separator
 - 2022 - Tractor Powered groundnut pod separator

Project Outcomes:

- Based on the trial run, one paper is presented in the national conference.
- Planned to register as a LLP firm

Publications and IPR

Content / Academic Year	2020-2021	2021 – 2022	2022-2023*
Conferences	32	20	6
Journals / Articles	20	17	5
Book Chapters	4	2	-
Copyrights	4	4	1 filled

- ✓ Design registration:-1, Patent filed – 6, FER responded – 6, FER Yet to respond - 4

✓ Consultancy in Additive Manufacturing: Equipment: 3D Printer, Agency : SACS
MAVMM Engineering College, Madurai, Amount: Rs.8,550/-

✓ List out the solar energy research laboratory outcomes

- Guest lecture delivered by Mr.R.Arun Kumar, AP/Mech. RIT on “Research Trends in Solar Thermal Applications – 22.10.2021
- Guest Lecture delivered by Mr.Raghupathy Muthu, Founder, Minniyal Pvt. Ltd. on Entrepreneurial Opportunities in Solar Field – 12.12.2021
- Design and Fabricated Pyramid and Tubular Solar still & Green House driers
- Presented papers in international conference and accepted to publish in Scopus indexed proceedings

9. Faculty participation and Contributions

✓ Faculty participation counts in FDP/Webinar/STTPS

- One day participation – 72 Nos. (Organizers: IIT Bombay, AICTE, Anna University, etc.)
- 3 days participation - 9 Nos.
- 5 – 7 days participation – 35 Nos. (Organizers: IIT Kharagpur, AICTE, IIITDM, NITTTR, Anna University, etc.)

✓ Faculty members as Resource persons

- Outside RIT – 40 Nos.
- Inside RIT – 11 Nos.

• Industrial visit by the faculty members

- Dr. S. Godwin Barnabas, ASP/Mech, Dr. J. Jabinth, AP/Mech, Mr. G. Prabu ram, AP(SG)/Mech, Mr. P. Pavithran, AP/Mech, along with lab technicians visited “Rajapalayam Mills Ltd. and Rajapalayam Spintext training session on Karakuri Kaizen” on 04 Mar., 2022.
- Dr. P. Sureshkumar, ASP/Mech, Mr. M. Ashok Kumar, AP(SG)/Mech visited “HLL Life Care Limited, Akkulam Factory, Thiruvananthapuram, Kerala” as a part of Faculty Industrial exposure programme during 14-16 Feb., 2022.
- Mr. M. Sivagaminathan alias Balaji, AP(SG)/Mech, Mr. C. Gururaj, AP(SG)/Mech, Visited “KeraFed-Kerala Kerakarshaka Sahakarana Federation, Ltd.(A Government of Kerala Enterprise)” as a part of faculty - industry exposure programme during 14-16 Feb., 2022.
- Mr. N.L. Sujin, AP / Mech. Visited “V V Goldtech Cold Storage, Madurai as a part of Faculty Industrial exposure programme during 25-27 Jan., 2022.
- Dr.S.Godwin Barnabas ASCP/Mech carried out the industry visit in “G.P.Leather” (unit 1and 2) on 10th and 13th January 2022, Poraiyur, Puducherry.
- Dr.S.Godwin Barnabas ASCP/Mech carried out the industry visit in “Sun beam generators” on 11th and 12th January 2022, Pathhukannu, Puducherry.

10. Visiting faculty – Adjunct Professor - Progress

Sl. No	Activity	Date of Commencement
1	Date of Appointment	06.04.2022
2	Discussion on developing Outcome and Syllabus	19.04.2022
3	Commencement of Advancement Course	04.05.2022
4	Faculty Interaction on Recent multidisciplinary Research Opportunities	05.05.2022 (03 Hours)

5	Total No of Hours Course Completed (As on 31.08.2022)	22 Hours
6	Total No of Hours Engaged for Development of Department	07 Hours
7	No of Students Enrolled for the Course	40 Students

11. Status of continuous improvement



Mr.M.Ashok Kumar, AP (SG)/Mech. presented the status of continuous improvement and Academic audit implementation and effectiveness

- Presented the academic audit process and actions taken thereof during the period of assessment
- Highlighted the process refinement in Department review meeting / Dept. level ideation
- Presented ISO form & process refinement leads to academic improvements
- Projected the improvement in Placement, Higher Studies and Entrepreneurship

Item	(2016 -17)	(2017-18)	(2018-19)	(2019-20)	(2020-21)	(2021-22)
Total No. of Final Year Students (N)	71	141	143	123 (111 willing)	118 (103 Willing)	98 (90 Willing)
No. of students placed in companies (x)	45	98	91	82	99	90
No. of students admitted to higher studies with (y)	00	07	06	04	3	2
No. of students turned entrepreneur (z)	01	02	06	06	Nil	Nil

$x + y + z$	46	107	103	92	102	92
Placement Index : $(x + y + z)/N$	64.78	75.88	72.03	74.79	86.44	93.87
Average placement: $(P1 + P2 + P3)/3$	70.89			85.03		

- Presented the Placement Statistics of the Academic year 2021 – 2022 – Batch 2018-2022

S.NO.	Criteria	Quantitative Detail
1.	Total Number of students registered for Placement	92
2.	Total Number of students Placed	92
4.	Number of On campus Recruitment drives conducted	23
5.	Average Salary	2.64 LPA
6.	Median Salary	2.27 LPA
7.	Median Salary (Batch - 2017 -2021)	2 LPA

- Showed the improvements in students admission details

Item	Particular	2020-21 (120)	2021-22 (60)
Regular students	No. of students admitted	40	57 (95%)
	Opening score	162.5	184.21
	Closing score	80	132.13
Lateral Entry students	No. of students admitted	07	45
	Opening score	88.71	94.52
	Closing score	62.2	59.96

Suggestions given by the members

Mr.T.Thirumalai Kumar, Manager HR,Flender India Pvt. Ltd., Chennai. (Industry Member) suggestions as follows:

- Students should get exposure in mechanical along with electronics engineering field (exposure in Mechactronics)
- Improved communication skill set is desired for getting placement in MNCs.
- Provide training to understand the “basic quality tools usage in industries” to both software and core company placed students.

Dr.R.Jeyapaul, Prof. and Head, Department of Production Engineering, National Institute of Technology, Tiruchirappalli (Academic Member) suggestions as follows:

- Construct a lab with state of art with benchmarking
- Categorize teaching strategies, metrics for measuring the strategies
- Introduce new electives and create student interaction with industry person for continuous improvement.
- Final year project work can be assigned during II year course of study itself.

- Internship period should be at least one to two months.
- Assessment tools can be improved for Teaching and learning process
- MoU with multinational companies may directly support to improve the perception about the institute and indirectly helps to achieve NIRF ranking.

Dr.N.Durairaj, Additional General Manager, Boiler Shops Unit II, BHEL, Tiruchi. (R& D Member) suggested the followings:

- Motivate the students to do real time project in industry
- Permit the students to do certification courses offered by the industry.

Suggested to contact Mr.Gowrin sankar, to undergo certification courses offered by BHEL.

Dr.T.Stanley Davis Mani, F/o. S.Biju Danie (IV Year B.E. Mech.) Assistant Professor of Commerce, St.John's College, Palayamkottai, Tirunelveli proposed to give more importance to extra-curricular activities.

Mr.A.Arun Shenbaga Raj (Batch 2016-2020) Founder & CEO, TN76 Food Delivery Service, Tenkasi.) insisted to produce 10% entrepreneurs from a batch of students and 30% projects should be real time implementations. Also, train the students focusing on product development rather than other aspects.

Prof.L.Vijayaraghavan, Adjunct Professor, Dept. of Mech. Engg., RIT, suggested the followings:

- Instructed the faculty members to visit IITM and take part in the research scholar conclave
- Student participation in co-curricular and extra-curricular activities can be measured in-terms of their batch size.
- Proper rubrics should be followed in the student project assessment evaluation.
- Internship credits can be given to the students
- Recognition for faculty member should be given in all aspects of the presentation.

Dr.K.Karthikeyan, ASCP/EEE suggested that the Design domain CO attainment strategy is better than Manufacturing domain CO attainment strategy. Also, inclusion of weightage for Co-curricular activity in CO attainment can be decided by the department.

Dr.M.Gomathy Nayagam, ASCP/CSE mentioned to give awareness program on govt. opportunities and recent technology awareness for pursuing their career.

Dr.O.Senthil kumar, ASCP/Chemistry suggested to improve the student counseling system, conversion of student project into publications and formulate a research forum.

Mr.Bharath, IV Year, Mech. addressed that the available elective courses are lack in real time implications. Modern technology based courses can be given as a value added courses. The outcome from the project work should be improved and Hackathon can be conducted for solving problems

V. Durairaj
17/10/22
Prepared by

S. Senthil Kumar
NBA Coordinator

S. Senthil Kumar
17/10/22
HOD Mech.

S. Senthil Kumar
17/10/22
Vice Principal

S. Senthil Kumar
17/10/22
Principal

Copy to:

- 1) Members of DACM
- 2) Faculty members of Mechanical Engineering through e-mail and Canvas Classroom for information and necessary action.
- 3) File



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

Department of Electrical and Electronics Engineering

Minutes of the Parent Teachers Meeting

Date: 10.08.2023

Ref.: RIT/Academic/EEE/Parents Teachers Association Meeting/2022-2023/Even

The Parents Teachers Meeting for first year students was conducted on 28.07.2023(Friday) at 3.00 PM – 4.30 PM in EEE Seminar hall as per following Agenda.

1. Dissemination of department Vision, Mission, POs, PSOs, PEOs.
2. Academic Performance.
3. To describe about Mentoring System to Parents for student's career growth.
4. Facilities enhanced in our institution for student's academic learning and career growth.
5. Training and Placements Details.
6. Preparedness measure for Placement-Academic year 2022-2023
7. Feedback session

1. Welcome Address (by Mr E. Thangam, AP(SG)/EEE)

- Mr E. Thangam, AP(SG)/EEE welcomed all the Parents of first year students(2022-2023 batch) and the faculty members to Parents teacher meeting for the academic year 2022-2023.

2. Department developmental activities I year EEE class Progress

2a. Department developmental activities I year EEE class Progress (Dr. B. Deepalakshmi , ASP/EEE)

Points Delivered	Suggestions /Feedback/Initiatives	Remarks with Target Date and Responsibility
<ul style="list-style-type: none">• Vision, Mission, POs, PEOs and PSOs was disseminated• NAAC, NBA and ISO 9001: 2015 accreditation details were informed.• Student markable achievement in National and State level competitive exams was shared• Even semester results of the Academic year 2022-23 was shared. I Year – 2/57- 3.51%	<p>Feedback: Due to the poor academic performance in first semester parents requested to conduct coaching classes and give more assignments for the students to improve the academic performance.</p>	<p>Responsibility: Course Handling Faculties, HoD</p>

<ul style="list-style-type: none"> • Effective implementation of the CANVAS (Learning Management System) which provides students a better and easy learning environment was shared • Results of the Internal Assessment Test I and the details of IAT II Commencement was shared. • Effective implementation of Skill rack & Terv platform – Program and aptitude training was shared • Placement statistics of the previous batches is shared. Further the Notable achievement of 100% placement of 2018 – 2022 batch was shared. 	<p>Feedback: Parents appreciated the special classes and mentoring of the students.</p> <p>Students performance in IAT I was not up to the mark and insisted the parents to render their full cooperation regarding their attendance and academic improvement in IAT2.</p> <p>She insisted the parents to encourage their wards to develop their skill sets such as communication skill, learn basic level programming language needed for the company, since Company needs only basic level of knowledge He also insisted the importance of doing micro project to get placed in core company</p>	<p>Responsibility: Class Advisors and Mentors, HoD</p>
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2b. Interactions with Parents (by HOD, Class Advisors and Mentors)		
Points Discussed by the Parents	Suggestions /Feedback/Initiatives	Remarks with Target Date and Responsibility
<p>Ms. Harini Priya. M</p> <ul style="list-style-type: none"> ❖ Her father requested the faculty members to conduct extra coaching classes for academic improvement and to conduct weekly test and extracurricular activities. He also requested to encourage combined study in the hostel. 	<p>Feedback:</p> <ul style="list-style-type: none"> ❖ HoD replied that unit test has been conducted before IAT1. Special coaching class was also conducted based on IAT1 Marks to improve the Academic performance. 	<p>Responsibility: Class Advisors, Mentors and Faculty members Association and Professional society Faculty In charges.</p>
<p>Mr. R. Sivapragashpathy</p> <ul style="list-style-type: none"> ❖ His father appreciated the continuous efforts taken by our department for improving academics. 	<p>Feedback:</p> <ul style="list-style-type: none"> ❖ HoD assured that to continue the routine activities which have been taken for overall student improvement. 	<p>Responsibility: HoD, Class Advisors, Mentors and Faculty members.</p>
<p>Mr. M. Srivardhan</p> <ul style="list-style-type: none"> ❖ His father insisted to monitor the mobile phone usage of the students inside the class. 	<p>Feedback:</p> <ul style="list-style-type: none"> ❖ HoD insisted the parents to monitor the wards regarding mobile phone usage. 	<p>Responsibility: HoD, Class Advisors, Mentors</p>

Ms. M. Velmurugan

- ❖ His father requested to conduct special classes to the students.

Feedback:

- ❖ HoD explained about the conducted special classes and also assured to conduct coaching classes in future.

Responsibility:

HoD, Class Advisors, Mentors and Faculty

3. Suggestions provided by the Parents:

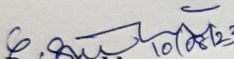
- ❖ More coaching classes and assignments can be given to the students.
- ❖ A few parents requested for improving the food quality in hostel.

4. (Interaction with Parents by Dr.S.Kannan, Prof& HoD/EEE

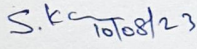
- Dr.S.Kannan, Prof& HoD/EEE welcomed all the Parents and he described about mobile phone usage by their wards. He insisted the parents to watch their wards and make them to avoid using mobile phone unnecessarily. He also explained the health issues because of using mobile phone continuously. Finally, he requested the parents to cooperate with us for students betterment.

5. Vote of Thanks (by Dr K. Karthikeyan, ASP/EEE

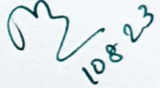
Dr K. Karthikeyan, ASP/EEE, thanked all the parents for their valuable suggestions shared for their Ward's progress and he also thanked the parents for their presence


Prepared by:

(Mrs.G.Sivapriya, AP/EEE)


Verified by

(Dr.S.Kannan, HoD/EEE)


Approved by:

(Dr.L.Ganesan, Principal)

Copy to:

- 1) Circulate among the faculty members of Electrical and Electronics Engineering department through email for information and necessary action
- 2) File



RAMCO INSTITUTE OF TECHNOLOGY
Department of Civil Engineering
Academic Year 2022 – 2023



Minutes of 4th Department Advisory Committee Meeting

Date of Meeting: 18.04.2023 (Tuesday)
Time of Meeting: 10:30 AM to 1:30 PM
Venue : Civil Seminar Hall
Google Meet Link: <https://meet.google.com/cff-jsoc-tmt>

Members Present:

Sl. No.	Name of the Faculty Member	Designation	Member
01.	Dr.R.Lakshmi	Professor & Head,KCET, Virudhunagar	Academic
02.	Er.M.Ravikumar	Senior DGM, L&T Bullet Train Project, Chennai	Industry
03.	Er.R.Thangaraj	Executive Engineer, PWD, WRD, Madurai	PWD
04.	Dr.S.Dharmar	Associate Professor & Head / Civil	Member
05.	Dr.G.Karthikeyan	Assistant Professor (Sr.Gr.)/Civil	Member
06.	Mr.R.Arunkumar	Assistant Professor (Sr.Gr.)/ Mechanical	Member
07.	Dr.V.Anusuya	Associate Professor & Head/IT	Member
08.	Mr.E.Thangam	Assistant Professor (Sr.Gr.) / EEE	Member
09.	Mr.B.Kannan	Assistant Professor (Sr.Gr.) / ECE	Member
10.	Dr.T.Vigneswari	Assistant Professor (Sr.Gr.) / Physics	Member
11.	Dr.O.Senthilkumar	Professor & Head/Chemistry	Member
12.	Mr.V.Pradeepam	Assistant Manager/Civil, Dalmia Cements, Sattur	Alumni
13.	Ms.S.Loga Ganesh	Assistant Engineer, Highways Department, Madurai	Alumni
14.	Mr.S.Marutharaj	Assistant Manager/Civil The Ramco Cements Limited, R.R.Nagar	Alumni

15.	Mrs.G.Geetha Kalyani	Professor & Head, Madona Arts & Science College, Madurai	Parent
16.	Mr.V.Vineeth	IV year B.E. Civil Engineering	Student
17.	Dr. M. Indhumathi	Associate Professor / Civil	Representative
18.	Mrs.C.Subha	Assistant Professor (Sr.Gr.)/Civil	Representative
19.	Mrs. D. Darling Helen Lydia	Assistant Professor / Civil	Representative
20.	Mr. T. Chockalingam	Assistant Professor / Civil	Representative
21.	Mrs. R. Kalaimani	Assistant Professor / Civil	Representative
22.	Mr.R.Muruganantham	Assistant Professor / Civil	Representative
23.	Mr.A.Manicka Mamallan	Assistant Professor / Civil	Representative
24.	Mrs. A. Leema Margret	Assistant Professor / Civil	Representative
25.	Mr.V.Ragavan	Assistant Professor / Civil	Representative

1. REVIEW OF PREVIOUS MEETING (3rd DAC)

Presenter: Dr S.Dharmar, Associate Professor and Head/Civil & Mrs.A.Leema Margret, AP/Civil

- Dr.S.Dharmar extended a warm welcome to the DAC external and internal members and expressed his sincere gratitude towards all the members present in the meeting.
- He presented the agenda of the meeting

S.No.	Points of Discussion	Presentation By
1.	Review of 3 rd DAC meeting held on 25.09.2021 & Review of Quality Objectives	Dr.S.Dharmar & Mrs.A.Leema Margret
2.	Vision, Mission, PEOs and PSOs	Dr.G.Karthikeyan
3.	Program Curriculum and Teaching – Learning Processes <ul style="list-style-type: none"> a. Curricular Gap Identification and content beyond syllabus b. Implementation and effectiveness of teaching and learning c. Impact analysis of industry – institute interaction / industrial training and action taken 	Dr.M.Indhumathi & Mrs.D.Darling Helen Lydia

S.No.	Points of Discussion	Presentation By
4.	Course Outcomes and Program Outcomes	Mr.T.Chockalingam & Mr.V.Ragavan
5.	Students performance in Co-curricular / Extra-Curricular activities	Mrs.R.Kalaimani & Mrs.A.Leema Margret
6.	Faculty participation and contributions	Mr.T.Chockalingam & Mr.V.Ragavan
7.	Facilities and Technical support	Mr.R.Muruganantham
9.	Training and Placement Progress	Mr.T.Chockalingam & Mrs.R.Kalaimani
10.	Consultancy Work Progress	Mr.A.Manicka Mamallan
11.	Review of 4 th Program Assessment and Quality Improvement Committee (PA&QIC) meeting held on 04.08.2022 & Budget allocation and Utilization	Dr.G.Karthikeyan
12.	Any other matters (NBA Accreditation, Autonomous, Drone & DGPS Lab, Research Centre, Admission etc.,	Dr.S.Dharmar
13.	Overall Feedback and Suggestion from members of the committee	DAC Members

- Mrs.A.Leema Margret, Assistant Professor presented the review of the previous (3rd DAC) meeting and the status report of Quality Objectives of the Academic Year (2021-2022)

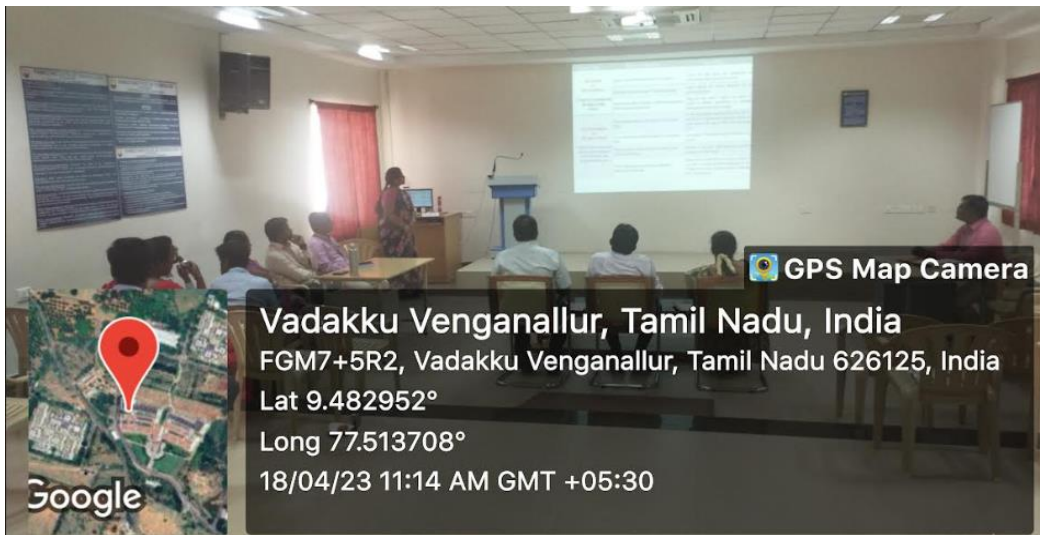


Fig.1 Review of previous meeting (3rd DAC) and Quality Objectives , Presented by Dr.S.Dharmar, Associate Professor & Head/Civil & Mrs.A.Leema Margret

2. Vision, Mission, PEOs and PSOs

Presenter: Dr.G.Karthikeyan, Assistant Professor (Sr.Gr.)/Civil

- Disseminated the Institute Vision, Mission, Department Vision, Mission, POs, PEOs and PSOs

- Presented the process involved in defining the Vision, Mission of the Department
- Presented the publishing modes of Vision, Mission, PEOs and PSOs with photos
- Presented the frequency of meeting for the dissemination of Vision, Mission, PEOs and PSOs among internal and external stakeholders with photos
- Presented the mapping of PEOs with Mission Statements

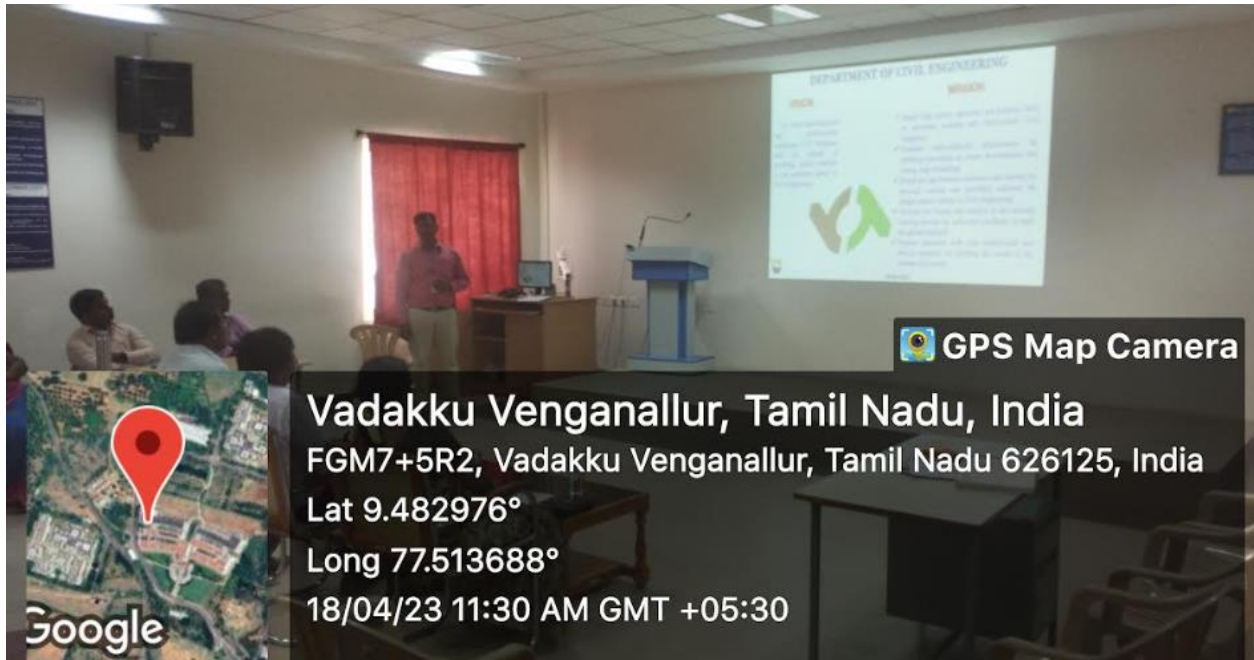


Fig.2 Vision Mission, PEOs and PSOs, Presented by Dr.G.Karthikeyan, AP(Sr.Gr.)/Civil

Remarks from Members:

- Present the outcomes from the activities conducted during last academic year for measuring PSOs
- Reduce and revise the PSOs statements as per the domain or Department specialization and stakeholders feedback
- Justification for mapping of PEOs with mission statements need to be presented

3. PROGRAM CURRICULUM AND TEACHING – LEARNING PROCESS

Presenter: Dr.M.Indhumathi, AP/Civil & Mrs.D.Darling Helen Lydia, AP/Civil

- Presented the Curriculum gap addressed to Anna University
- Presented the content beyond syllabus conducted as per lecture plan
- Online course particulars of students for the academic year 2021-2022 were presented

- Innovative practices followed and practiced during this academic year were presented
- Discussed about quality of internal, semester question papers, assignments and evaluation
- Final year students projects with its outcomes were presented
- Presented the Industry Institute interaction details such as site visit, IPT, Internships, Webinars, Value added courses etc.



Fig.2 Program Curriculum & Teaching Learning Process, Presented by Mrs.D.Darling Helen Lydia, AP/Civil

Remarks from Members:

- Identification & categorization of slow learners and bright learners should be done
- Internship impact analysis should be done
- Suggested to improve the outcome of final year projects

4. COURSE OUTCOMES AND PROGRAM OUTCOMES

Presenter: Mr.T.Chockalingam & Mr.V.Ragavan AP /Civil

Action taken for suggestions provided in the 3rd DAC meeting held on 25.09.2021 was discussed.

S. No.	Suggestions	Action Taken
1.	Initial target for subjects can be fixed as 70% of total target.	As the end semester examinations for the AY20-21 and AY21-22 (Odd Semester) happened virtually, the initial target is still kept as 60% of the total target (1.8)
2.	Try to include ethics (professional ethics) somewhere in PSOs	The department is planning to apply for NBA during AY23-24, thereby fine-tuning of Programme Specific Outcomes is in progress
3.	Students needs to be well versed with codal provisions – both IS as well as IRC.	Relevant IS and IRC codal provisions are made available in all laboratories.
4.	At least, three hours per week can be utilized for exploring the code books.	Every week, to explore the code books as well as to be aware of real-time practices happening on site, Construction Practice Laboratory hours are allocated for II, III, and IV year. <i>(Proof Enclosed)</i>

- Described the direct assessment methods such as Internal Assessment Tests, Assignments & Tutorials, Project reviews and End Semester University Examinations.
- Described the indirect assessment methods such as Programme Exit Survey, Alumni Survey and Course Exit Survey – Theory and Practical and the same was elaborated in a detailed manner.
- Process of Course Outcomes Attainment and PO/PSO attainment is explained.
- Average Grade Point achieved for 3rd, 4th, 5th, 6th, 7th and 8th semester was discussed.
- 3 subjects in 4th semester during the academic year 2021-2022 (Even Semester) titled CE8402 Strength of materials, CE8403 Applied Hydraulic Engineering and CE8491 Soil mechanics not attained the target planned.
- Attainment calculation for Academic year 2022-2023 (Odd Semester) – yet to be calculated – since the revaluation results yet to be announced.
- Calculation of Attainment of Program Outcomes and Program Specific Outcomes is under progress.

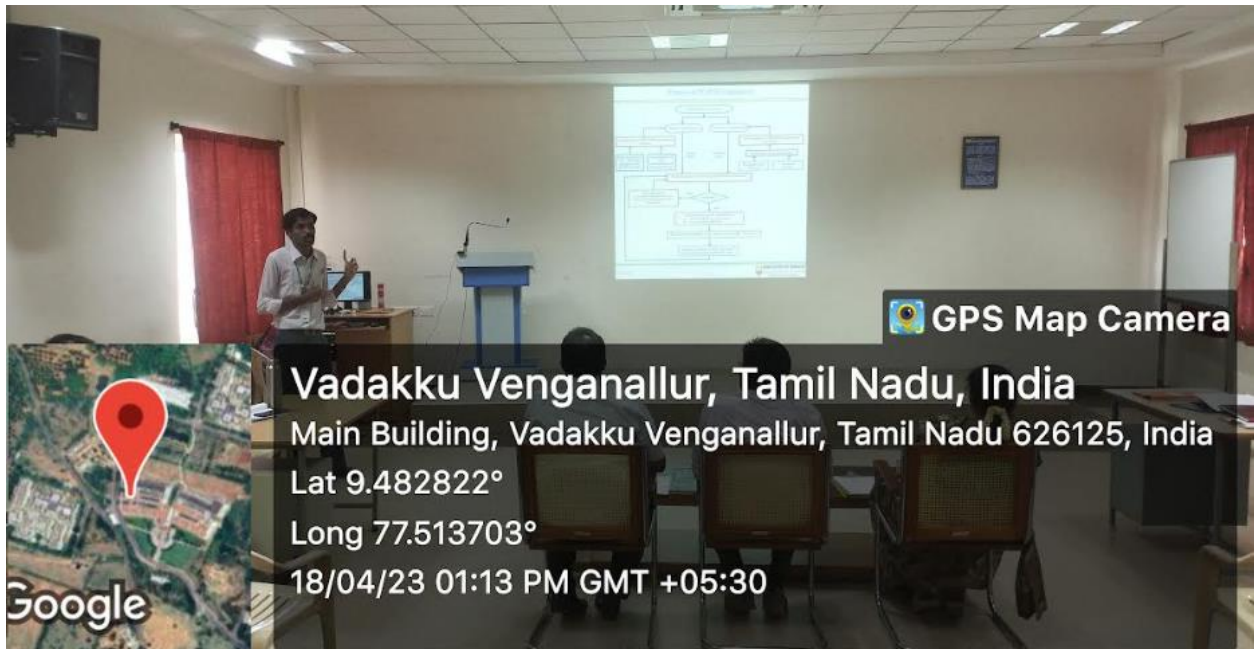


Fig.3 Review of Assessment, Presented by Mr. T. Chockalingam, AP/Civil

Remarks from Members:

S. No.	Remarks	Suggested by
1.	Prepare a small model of beams with different end conditions (Hinge, fixed etc..) to understand the concepts easily	Er.R.Thangaraj, EE, WRD
2.	Fixation of target for attainment can be rechecked	Mr.B.Kannan, AP(SG)/ECE
3.	10 years university question papers can be solved for a particular subject and the same should be practiced by students	Er.M.Ravikumar Senior DGM
4.	Different text books can be referred and different variety of problems needs to be worked out	L&T Heavy Civil Infrastructure
5.	Encourage students to do repetitive homework	

5. Students performance in Co-curricular / Extra-Curricular activities

Presenter: Mrs.R.Kalaimani & Mrs.A.Leema Margret

- Presented the list of programs planned and organized through RIT-STRUCTA, ICI Students Chapter and IGBC.
- Presented the title of the program along with brochure and the program outcomes.
- Registration, Participation details and feedback received from all participants for various programs were presented.
- Discussed the students' participation in Industrial Visit/In plant Training, Quiz/Project Competition, Workshop and Webinars.
- Discussed the students' participation in International Conference on Smart Technologies and Applications-2022 (ICSTA 2022), 20th Annual ISTE TamilNadu Section Engineering Students' Convention
- Students Participation in Co-Curricular and Extracurricular activities for the AY (2021-2022) are presented.
- Presented the students online course details for the academic year (2021-2022) along with their outcomes.



Fig.4 Student performance in Co-curricular & Extra curricular activities, Presented by Mrs.R.Kalaimani and Mrs.A.Lemma Margret, AP/Civil

Remarks from Members:

- The number of events to be conducted in connection with MoU signed Industries has been suggested to increase.
- Curriculum gap to be identified in every subject and which is conducted as a guest lecture for students through professional societies.
- Suggested to encourage students to participate in Cocurricular and Extracurricular activities in both Inter/Intra Institute level.

6. FACULTY PARTICIPATION AND CONTRIBUTIONS

Presenter: Mr. T. Chockalingam & Mr.V.Ragavan, AP/Civil

- Mentioned the details of faculty members' total strength, number of Ph.D holders, number of faculty members pursuing Ph.D .
- Tabulated the Student Faculty Ratio (SFR), Faculty Cadre Proportion, FacultyQualification and Faculty Retention for the academic year 2022-2023 and due comparison with the previous academic year 2020-2021 was made.
- Publications in journals by the faculty members and the list of the journal titles were presented.
- Presented the consolidated data of faculty members' participation in various reputed
- conference publications (National and International) and Book chapter publications.
- Funded project details, Patent details and their current status were also presented for the academic year 2021-2022.
- Faculty members' participation in various workshops, webinars, conferences, FDPs, STTPs in various reputed industries and institutions are listed.
- Presented the list of faculty online course completion, details of faculty members acted as resource person within as well as outside RIT and their participation in AICTE,IUCEE, IITM PALS for the academic year 2021-2022.

Faculty Participation (2021-22)

Journal, Conference & Book chapter Publications

Sl. No.	Description	Level	2020-2021	2021-2022
1.	Journal Publications	SCI Indexed	1	2
		Scopus Indexed	1	2
2.	Conference Publications	International	4	14
		National	11	-
4.	Book Chapter Publication	International	1	1

· *Fig.5 Faculty Participation and Contributions, Presented by Mr.V.Ragavan, AP/Civil*

Remarks from Members:

- Advised to present the consultancy, maintenance and survey work along with pictures.
- Potential Student projects should be identified and submitted for project proposal.
- Faculty member have to be encouraged to increase the faculty publication in journal and conference.
- Include department laboratory facilities, documentation work and fees earned through consultancy work by faculty members.
- For maintenance work, it was suggested to prefer Diploma level engineers instead of faculty members under the Estate Maintenance Department.

7. Facilities and Technical support

Presenter: Mr.R.Muruganantham, AP/Civil

- Presented the list of adequate and well equipped laboratories and their technical man power.

- Mention about additional facilities created for improving the quality of learning experience in laboratories.
- Laboratories: Maintenance and overall ambiance.
- Safety measures in laboratories.



Fig.6 Facilities and Technical Support, Presented by Mr.R.Muruganantham, AP/Civil

Remarks from Members:

- Prepare the separate document for utilization of additional facilities for each laboratory.
- Mention the purchase amount of additional equipment.
- Utilization of each lab need to Outcome based education like paper publication and patent.

8. STATUS OF CONTINUOUS IMPROVEMENT

Presenter: Dr.M.Indhumathi, ASP/Civil

- Presented the academic audits conducted and their reports
- Shared the effectiveness through the academic audits
- Described the Placement, Higher studies and Entrepreneurship details
- Presented the student admission details

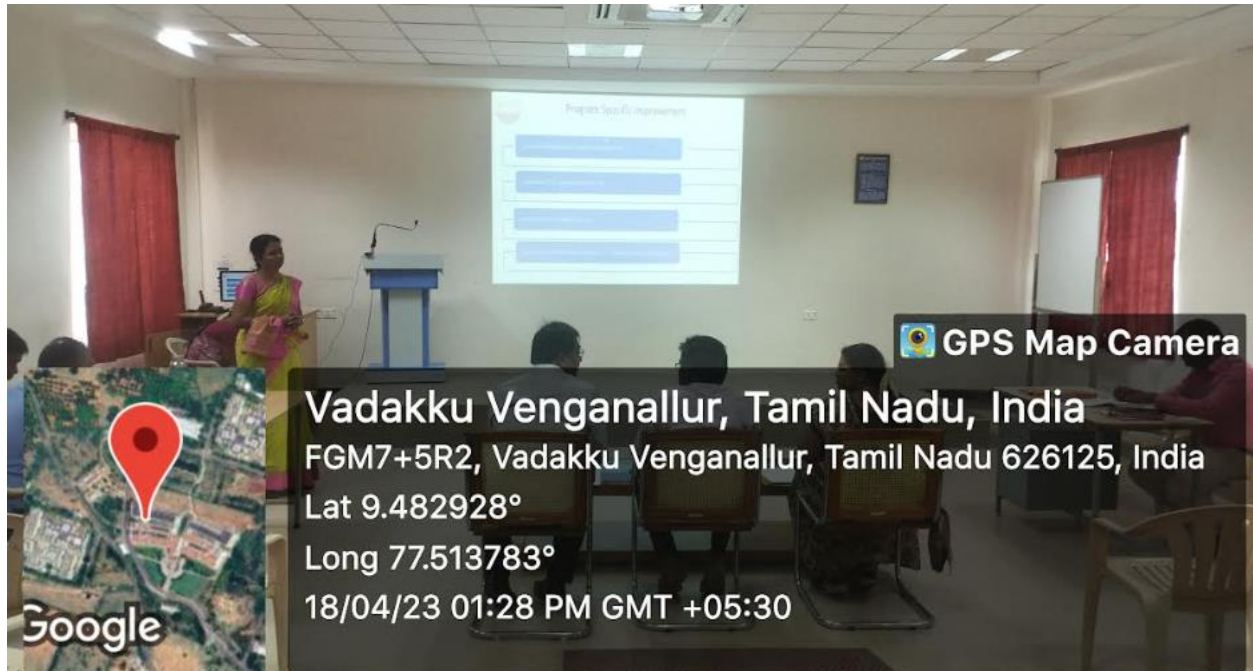


Fig.7 Continuous Improvement, Presented by Mr.R.Muruganatham, AP/Civil

Remarks from Members:

- Try to Look for more engagement in the Construction Practises Lab.
- Motivate the students to get placed in government sectors.

9. TRAINING AND PLACEMENT PROGRESS

Presenter: Mr.T.Chockalingam, AP(SG)/Civil Engineering & Mrs.R.Kalaimani, AP/Civil .

- Elaborated the training classes conducted for I Year, II Year, III Year and IV year provided by external training partner Top Freshers, Chennai.
- Discussed the placement statistics for the academic year 2021-2022 and 2022-2023.
 - ❖ Out of 7 students who were interested in placement, 6 students got their offers from different firms (AY2021-22)
 - ❖ Out of 12 students who were interested in placement, 6 students got their offers from different firms. (AY2022-23; Placement in progress) Engineering

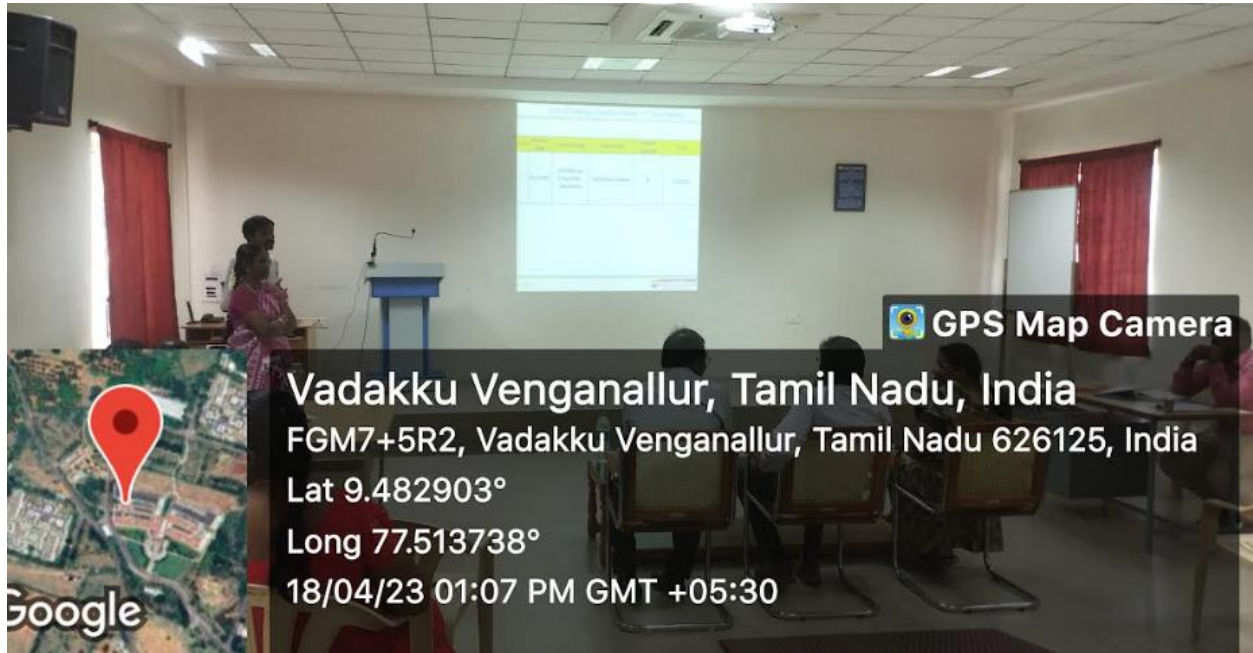


Fig.8 Training and Placement Progress, Presented by Mr.T.Chockalingam, AP (Sr.Gr.)/Civil and Mrs.R.Kalaimani, AP/Civil

Remarks from Members:

S. No.	Remarks	Suggested by
1.	Department-specific training provided needs to be showcased	Mr.E.Thangam, AP(SG)/EEE
2.	Competitive exam coaching to be continued and the opportunities available in state government and central government need to be informed to students periodically to get motivated.	Er.R. Thangaraj, EE, WRD

10. CONSULTANCY WORK PROGRESS

Presenter: Mr.A.Manicka Mamallan, AP/Civil

- Presented the consultancy work progress for the academic year 2022 - 2023

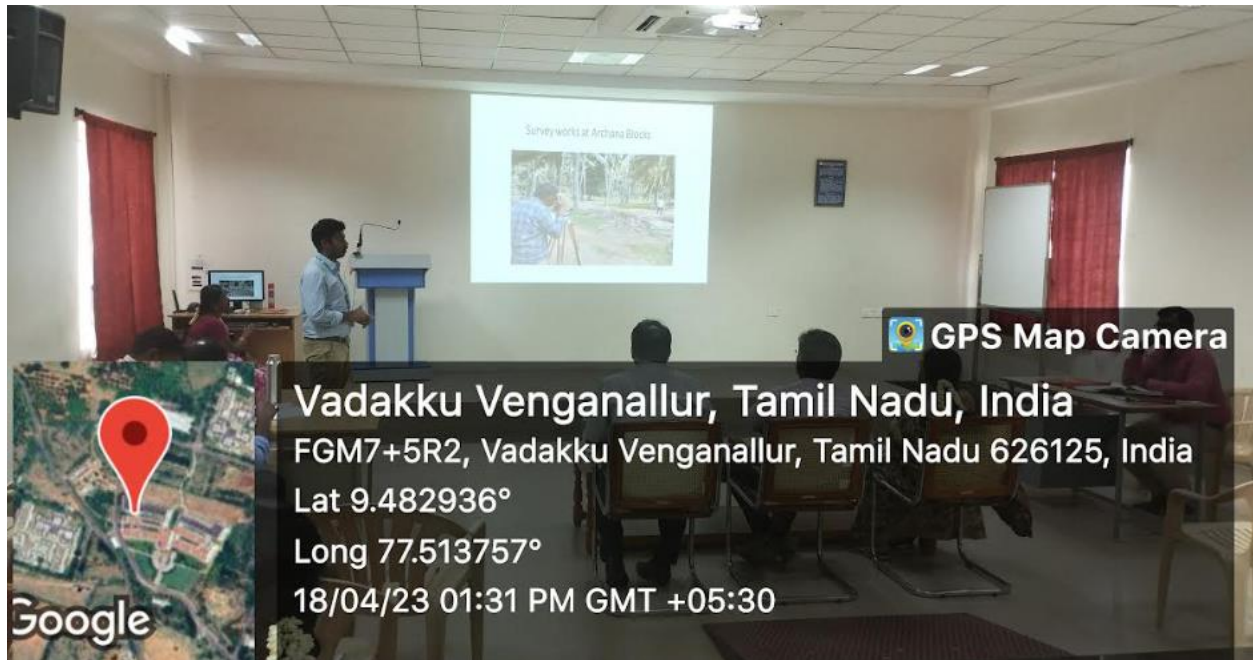


Fig.9 Consultancy work progress presented by, Mr.A.Manicka Mamllan, AP/Civil

Remarks from Members:

S. No.	Remarks	Suggested by
1.	Certificates of appreciation to be provided for the students involved in the consultancy works	Er.R. Thangaraj, EE, WRD
2.	Informed to circulate the list of consultancy works and rates to PWD	Er.R. Thangaraj, EE, WRD

Remarks from Members:

-11. Review of 4th Program Assessment and Quality Improvement Committee (PA&QIC) meeting held on 04.08.2022 & Budget allocation and Utilization

Presenter: Dr.G.Karthikeyan, AP(Sr.Gr.)/Civil

- Presented the members' suggestions and action taken in the 4th PA&QIC meeting held on 04.08.2022
- Presented the budget allocation and utilization for the academic year 2021 - 2022



Fig.9 Review of 4th PA&QIC meeting and Budget Utilization, Presented by Dr.G.Karthikeyan, AP(Sr.Gr.)/Civil

Remarks from Members:

- Collect students feedback and employer feedback for internship activities
- Budget utilization to be improved in the Research & Development category.

12. Any other matters (NBA Accreditation, Autonomous, Drone & DGPS Lab, Research Centre, Admission etc.,)

Presenter: Dr.S.Dharmar, ASP & Head/Civil

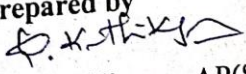
- Presented the work progress for NBA Accreditation, Autonomous, Establishment of Drone and DGPS Lab, Research Centre Recognition and Admission





Fig.9 Any other matters, Presented by Dr.S.Dharmar, ASP & Head/Civil

Overall Remarks from Members:

- Strengthen the department library by including more number of textbooks, subject notes by the faculty members and Journals
- Encourage the students to become the student member in Indian Road Congress Society
- Enhance the laboratory facilities for including 3D printing technology
- Budget utilization to be improved in the Research & Development category
- Increase the faculty publication in journal and conference.
- Department specific training to be provided for enhancing the placement activities

Prepared by

 Dr.G.Karthikeyan, AP(SG)/Civil

Reviewed by

 HOD

Approved by

 Principal
 22/12/23

Minutes of Department Advisory Committee (DAC) Meeting

RAMCO INSTITUTE OF TECHNOLOGY Department of Mechanical Engineering

Ref.: RIT/Mech/DAC Meeting/2019-2020/01

Date: 06.08.2019

Minutes of Department Advisory Committee Meeting - I


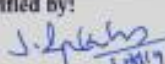
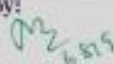
The first Department Advisory Committee Meeting (DACM) was held on 06.07.2019 (Saturday) at Mechanical Seminar Hall and discussed were the following points:

Members present:

Mr. N. Rajasekaran, Deputy General Manager, Unit II - Production, BHEL, Tiruchirappalli	Industry member
Dr. L. Srinivasan, Scientist SF/Resident Manager, RMFA/EFA, Vikram Sarabhai Space Centre, Chennai Work Centre, Chennai	R&D member
Dr. M. Palaninatharaja, Dean - Planning and Development, Thiagarajar College of Engineering, Madurai	Academic Member
Mr. P. Esakkiraja, Graduate Engineer Trainee, The Ramco Cements Ltd., Alathiyur.	Alumini
Mr. K. Aravind Kumar, Managing Partner, Madasamy Nadar Restaurant, Dhalavaipuram.	Alumini
Mr. P. Sureshkumar, AP(SG)/Mech.	Internal member
Dr. V. Sivakumar, AP(SG)/Mech.	Internal member
Dr. K. Karthikeyan, Associate Prof./EEE	Internal member
Mr. R. Balaji Ganesh, AP(SG)/CSE	Internal member
Dr. O. Senthikumar, Associate Prof./Chemistry,	Internal member
Dr. T. Manimaran, Associate Prof./Maths,	Internal member
Mr. M. Lakshmanan, AP(SG)/Mech., Mr. T. Selva Sundar, AP / Mech.,	DACM Coordinators

Sl.No.	Points discussed	Target Date	Responsibility
	The presentation started with a concise introduction about Ramco Institute of Technology establishment, and the following points were discussed.	---	-----
1.	<ul style="list-style-type: none"> Explained the process of formulating Vision, Mission, Program Educational Objectives (PEOs), and Program Specific Outcomes (PSOs) of the department by the involvement of stakeholders. Correlation between PEOs and Mission statements were discussed. 		

	<ul style="list-style-type: none"> • Briefed the contributions of various stakeholders such as students, faculty members, parents, Alumni, Industrial experts and professional societies i.e. Society of Automotive Engineers India (SAE), Institution of Engineers (India) IE(1), Indian Society for Technical Education (ISTE), Indian Society of Heating, Refrigerating and Air Conditioning Engineers (ISHRAE), Indian Welding Society (IWS) for formulating PEOs and PSOs. • Discussed the short term and long term goals of the department in line with Mission and Vision of the department. • Presented the details of publication and dissemination of Vision, Mission, PEOs, PSOs and Program Outcomes (POs) with stakeholders and different places of department. <p>✓ Presented the following quality component of teaching and learning process.</p> <ol style="list-style-type: none"> i. Detailed the process of curricular gap identification and content beyond syllabus for sample courses for the academic year 2018-2019 (Current Academic Year - CAY*). ii. Presented the details of various teaching aids practiced for the academic year 2018-2019. iii. Procedure for setting internal assessment question paper and evaluation of answer scripts. iv. Details of student projects completed in the academic year CAY, CAY-1** & CAY-2*** and its project evaluation and review procedures. v. Initiatives taken in industry – institute interaction vi. Details of student internship, industrial visit & in plant training for CAY, CAY-1 & CAY-2. vii. List of funded projects and patent details viii. Details of online courses performed by students & faculty members and also discussed the learning outcome of online course for CAY, CAY-1 & CAY-2. ix. Details of paper publications in journals and conference by faculty and students x. Details of student participations in co-curricular and extracurricular activities. xi. Details about placements, higher studies and entrepreneurship xii. Details of awards and recognize of both students and faculty members xiii. Details of faculty participations in industrial training xiv. Details of laboratory facilities and utilization xv. Details of involvement in Entrepreneurship activities and other professional societies activities. 	-----	-----
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2.	<p>Suggestions /Comments / Remarks given by the DAC members:</p> <ul style="list-style-type: none"> ✓ Review and Revise the mapping of COs and POs for the current academic year 2019-20. ✓ Advise the faculty members to select relevant indirect assessment tools such as all exit survey forms for COs and POs attainment. ✓ Check the correlation of PEOs and Mission of the department ✓ Review and Revise the CO statements of Science and Humanities courses based on the blooms taxonomy. ✓ Take initiatives to improve industry – institute interaction ✓ Motivate the students for industrial projects to enhance the technical competency and to gain real time industrial exposure. ✓ Create awareness about the importance of qualifying Graduate Aptitude Test in Engineering (GATE) and motivate the students to write GATE in large numbers. ✓ Invite more number of industrial experts to deliver the recent technological advancements ✓ Conduct need based Value Added Courses (VAC) and certification program like Piping Inspection Certification course (P&I), Non Destructive Testing (NDT), and Condition Monitoring & Failure Analysis etc. ✓ Suggested the faculty members to visit www.isro.gov.in and refer the problem proposed by the Indian Space Research Organisation (ISRO) under the scheme of Respond. ✓ Advised the faculty members to guide projects in hybrid renewable energy sources. ✓ Informed to arrange panel discussion to develop the knowledge about Start Ups with district level Ministry of Micro, Small and Medium Enterprises (MSME) members for final year students ✓ Suggested to involve the resource person from industry / professional society members to handle seminars, Faculty Development Programme (FDP) and Workshop. ✓ To improve communication skill among the students to face the competitive environment. ✓ Proposed to impart fundamental knowledge to increase the success rate in an interview for the students 	Continuous	All Faculty Members / HoD
Prepared by:  Department NBA Coordinator	Verified by:  HOD/MECH	Approved by:  PRINCIPAL	

*Current Academic Year :- CAY: 2018 – 2019, CAY-1**: 2017 – 2018, CAY -2***: 2016 – 2017

Copy submitted to DAC Members for reference.

Copy to: 1) All the Faculty members through e-mail for information and needful action.
2) File

Third Department Advisory Committee meeting on 28.11.2020

The screenshot shows a Google Meet interface during a presentation. The main content is a slide titled "Program Educational Objectives" (PEOs) with five objectives listed in colored boxes, connected by a red arrow pointing from a red circle labeled "PEOs" at the bottom left. The objectives are:

- Graduates will gain knowledge through continuous learning to enhance core competency and career prospects.
- Graduates will be technically competent to design, analyze, develop and implement Electronics and Communication Systems.
- Graduates will apply the basic fundamental concepts in Electronics and related fields to solve general engineering problems related to societal needs.
- Graduates will be professionals with attributes, passion, positive attitude, ethics and moral values for a successful career.
- Graduates will communicate effectively and interact responsibly with colleagues, employees, team members, clients and the society.

The meeting interface includes a "Meeting details" sidebar on the right showing 26 people in the call, and a control bar at the bottom with icons for mute, video, chat, and other functions. The date "28.11.2020" is visible at the bottom of the slide.



RAMCO INSTITUTE OF TECHNOLOGY
Department of Civil Engineering
Academic Year 2021 – 2022



Minutes of 3rd Department Advisory Committee Meeting

Date of Meeting: 25.09.2021 (Saturday)

Time of Meeting: 10:00 AM to 1:00 PM

Google Meet Link: <https://meet.google.com/cff-jsoc-tmt>

Members Present:

Sl. No.	Name of the Faculty Member	Designation	Member
01.	Dr.S.Nagan	Professor, TCE, Madurai	Academic
02.	Er.M.Ravikumar	DGM, L&T IDPL, Chennai	Industry
03.	Dr.B.Arun Sundaram	Principal Scientist, SERC, Chennai	R&D
04.	Er.R.Thangaraj	Executive Engineer, PWD, WRD, Madurai	PWD
05.	Mr.S.Dharmar	Assistant Professor (Sr.Gr.) & Head / Civil	Member
06.	Mr.G.Karthikeyan	Assistant Professor (Sr.Gr.)/Civil	Member
07.	Dr.P.Sureshkumar	Associate Professor / Mechanical	Member
08.	Mr.R.Venkatesh	Assistant Professor (Sr.Gr.) / CSE	Member
09.	Dr.R.Subasree	Assistant Professor (Sr.Gr.) / Maths	Member
10.	Dr.M.Anand	Associate Professor / English	Member
11.	Mr.V.Pradeepam	Assistant Manager/Civil, The Ramco Cements Ltd, Kurnool	Alumni
12.	Ms.S.Loga Ganesh	Assistant Engineer Highways Department, Madurai	Alumni
13.	Mr.S.Marutharaj	Assistant Manager/Civil The Ramco Cements Limited, R.R.Nagar	Alumni
14.	Dr.M.Jeyaraman	Assistant Professor/Maths, Raja Doraisingam Government Arts College, Sivagangai	Parent
15.	Mr.V.Vineeth	III year B.E. Civil Engineering	Student
16.	Mrs.C.Subha	Assistant Professor (Sr.Gr.)/Civil	Representative
17.	Mrs. D. Darling Helen Lydia	Assistant Professor / Civil	Representative
18.	Mr. T. Chockalingam	Assistant Professor / Civil	Representative
19.	Mrs. R. Kalaimani	Assistant Professor / Civil	Representative

20.	Mr.R.Muruganantham	Assistant Professor / Civil	Representative
21.	Mr. J. Ram Prashath	Assistant Professor / Civil	Representative
22.	Mr.A.Manicka Mamallan	Assistant Professor / Civil	Representative
23.	Dr. M. Indhumathi	Assistant Professor / Civil	Representative
24.	Mrs. A. Leema Margret	Assistant Professor / Civil	Representative
25.	Mr.V.Ragavan	Assistant Professor / Civil	Representative

1. REVIEW OF PREVIOUS MEETING (2nd DAC)

Presenter: Mr S.Dharmar, Assistant Professor (Sr.Gr.) and Head/Civil

- He started extended a warm welcome to the DAC external and internal members and expressed his sincere gratitude towards all the members present in the meeting.
- Presented the agenda of the meeting and the review of the previous (2nd DAC) meeting.

S.No.	Points of Discussion	Presentation By
1.	Review of 2 nd DAC meeting held on 21.11.2020	Mr.S.Dharmar & Mrs.A.Leema Margret
2.	Program Curriculum and Teaching – Learning Processes a. Curricular Gap Identification and content beyond syllabus b. Implementation and effectiveness of teaching and learning c. Impact analysis of industry – institute interaction / industrial training and action taken	Mrs.C.Subha & Mr.G.Karthikeyan
3.	Review of assessment and analysis of the attainment of COs/POs/PSOs with program effectiveness	Mr.T.Chockalingam & Mr.J.Ram Prashath
4.	Appraisal of student support system Co-curricular / Extra-Curricular activities	Mrs.D.Darling Helen Lydia & Mr.A.Manicka Mamallan
5.	Faculty participation and contributions	Mrs.A.Leema Margret & Mr.V.Ragavan
6.	Status of continuous improvement	Dr.M.Indhumathi & Mrs.C.Subha
7.	Review of department academic plan and department progress	Mrs.R.Kalaimani & Mr.R.Muruganantham
8.	Review of 2 nd Program Assessment and Quality Improvement Committee (PA&QIC) meeting held on 14.08.2021	Mr.G.Karthikeyan & Mrs.D.Darling Helen Lydia

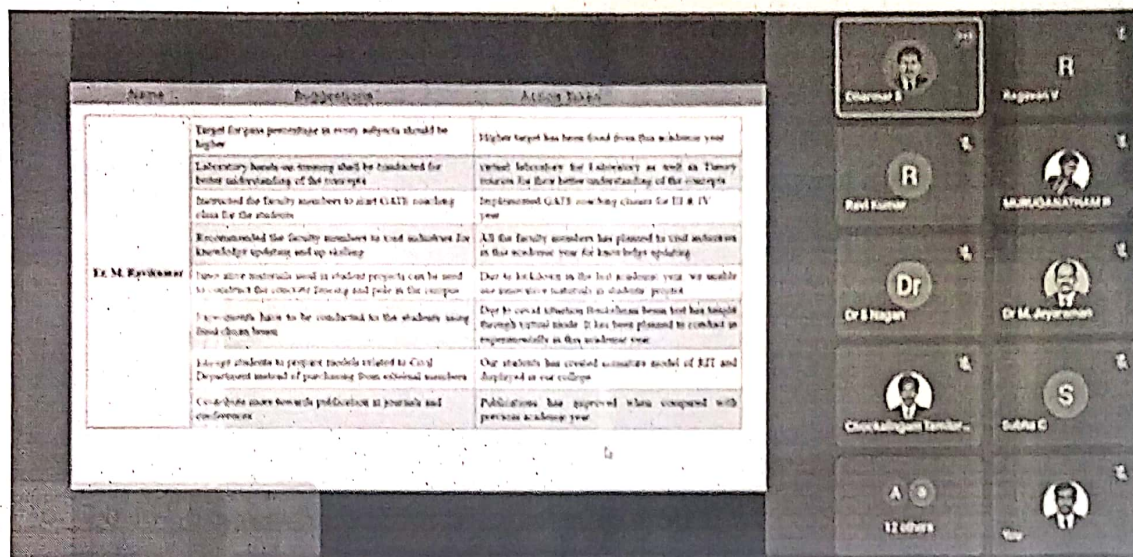


Fig.1 Review of previous meeting (2nd DAC), Presented by Mr.S.Dharmar, AP(SG) & Head/Civil

2. PROGRAM CURRICULUM AND TEACHING – LEARNING PROCESS

Presenter: Mrs.C.Subha & Mr.G.Karthikeyan, Assistant Professor (Sr.Gr.)/Civil

The following points were presented.

- Curricular Gap Identification and content beyond syllabus - The proposed modifications of R2017 measures were communicated to Anna University to be considered while formulating next Regulation syllabus. Acknowledgement and responses to the proposed modifications were received from the university and has been presented in the meeting.
- Innovative teaching methods like demonstration of experiments using virtual labs, use of interactive projectors for problematic subjects, presentation of real time videos and animated videos, conducting quizzes etc were followed to enhance the teaching-learning process.
- Special coaching classes were conducted for weak students and Four MCQ Tests were conducted for students with arrears.
- Technical aptitude classes were conducted to help students for competitive exam preparation.
- Students were encouraged to do online courses of their interest to enhance knowledge.
- Detailed the MoUs between department and various industries and the impact of industry – institute impact.
- Student internship details and the method of evaluation of internship were presented.

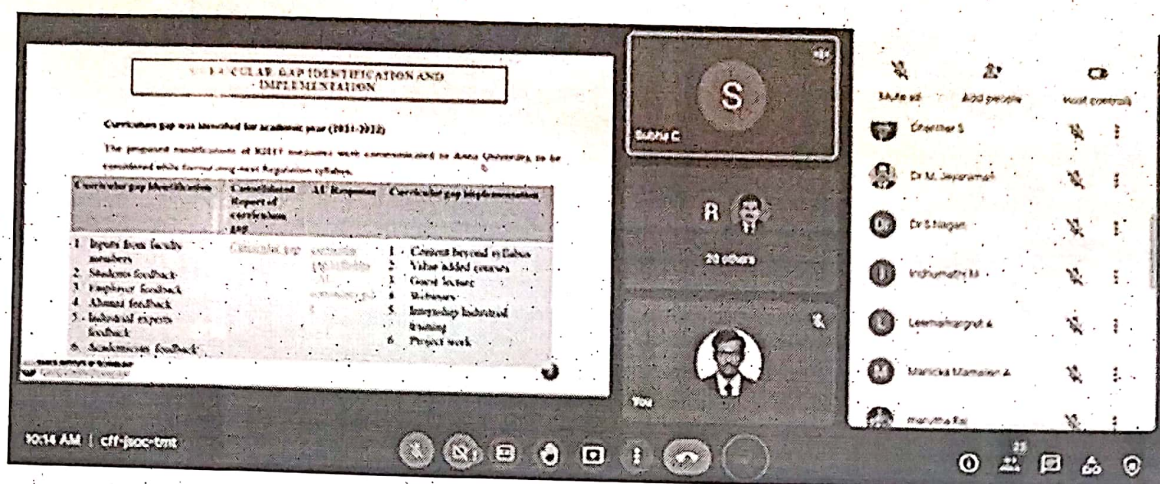


Fig.2 Program Curriculum & Teaching Learning Process, Presented by Mrs.C.Subha, AP(Sr.Gr.)/Civil

Remarks from Members:

- Impact of innovative practices must be measured.
- Present the outcome for Impact of student internship.
- Improve the quality of projects in different specialization for the final year project work.

3. REVIEW OF ASSESSMENT AND ANALYSIS OF THE ATTAINMENT OF COS/POS/PSOS WITH PROGRAM EFFECTIVENESS

Presenter: Mr.T.Chockalingam & Mr.J.Ram Prashath, AP /Civil

The following contents were presented,

- Described the direct assessment methods such as Internal Assessment Tests, Assignments & Tutorials, Project reviews and End-Semester University Examinations.
- Described the indirect assessment methods such as Programme Exit Survey, Alumni Survey and Course Exit Survey – Theory and Practical and the same was elaborated in a detailed manner.
- Process of Course Outcomes Attainment and PO/PSO attainment was explained.
- Average Grade Point achieved for 3rd, 4th, 5th, 6th and 7th semester was discussed.
- Target fixation for theory courses was discussed with the panel members.
- Program outcomes as per NBA was shown.
- Program Specific Outcomes of the department was elaborated and suggestions were solicited.
- Comparing the Programme Outcomes attainments obtained for Regulations 2017 is under progress.

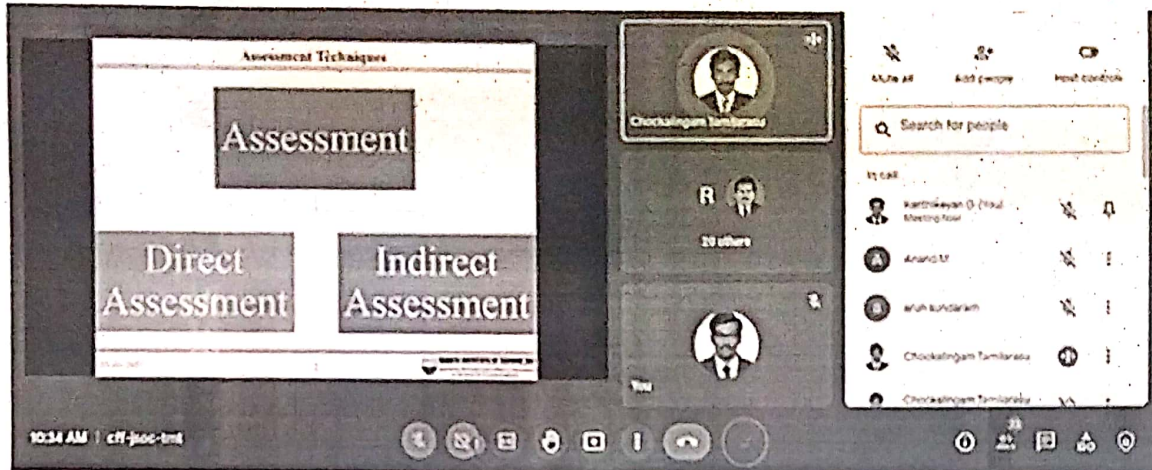


Fig.3 Review of Assessment, Presented by Mr. T. Chockalingam, AP/Civil

Remarks from Members:

- Initial target for subjects can be fixed as 70% of total target.
- Try to include ethics (professional ethics) somewhere in PSOs.
- Students need to be well versed with codal provisions – both IS as well as IRC.
- At least, three hours per week can be utilized for exploring the code books.

4. APPRAISAL OF STUDENT SUPPORT SYSTEM CO-CURRICULAR / EXTRA-CURRICULAR ACTIVITIES

Presenter: Mrs.D.Darling Helen Lyda & Mr.A.Manicka Mamallan, AP/Civil

- Presented the details of professional bodies in the Civil Engineering Department, RIT
- Shared the details of events conducted through ICI & ISTE
- Explained Civil Engineering Association RIT Structa and presented the events conducted through RIT Structa.
- Future plans were also presented.

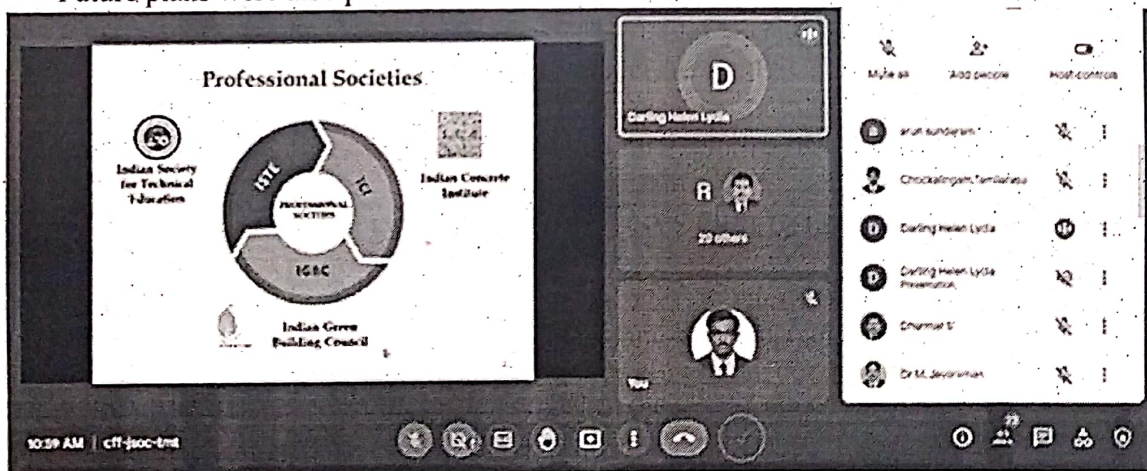


Fig.4 Co-curricular & Extra curricular activities, Presented by Mrs.D.Darling Helen Lydia, AP/Civil

Remarks from Members:

- Include attainment calculation for events conducted through Professional societies.
- Advised to apply for award schemes conducted by professional societies and encourage students to participate to get INSDAG awards.

5. FACULTY PARTICIPATION AND CONTRIBUTIONS

Presenter: Mrs.A.Leema Margret & Mr.V.Ragavan, AP/Civil

- Mentioned the details of faculty members' total strength, number of Ph.D holders, number of faculty members pursuing Ph.D and number of faculty members attended Ph.D selection interview.
- Tabulated the Student Faculty Ratio (SFR), Faculty Cadre Proportion, Faculty Qualification and Faculty Retention for the academic year 2020-2021 and due comparison with the previous academic year 2019-2020 was made.
- Publications in journals by the faculty members and the list of the journal titles were presented.
- Presented the consolidated data of faculty members' participation in various reputed conference publications (National and International) and Book chapter publications.
- Funded project details, Patent details and their current status were also presented for the academic year 2020-2021.
- Faculty members' participation in various workshops, webinars, conferences, FDPs, STTPs in various reputed industries and institutions are listed.
- Presented the list of faculty online course completion, details of faculty members acted as resource person within as well as outside RIT and their participation in AICTE, IUCEE, IITM PALS for the academic year 2020-2021.
- Presented the details of Rajapalayam Mega city Project, Consultancy; Maintenance work carried out at college level.

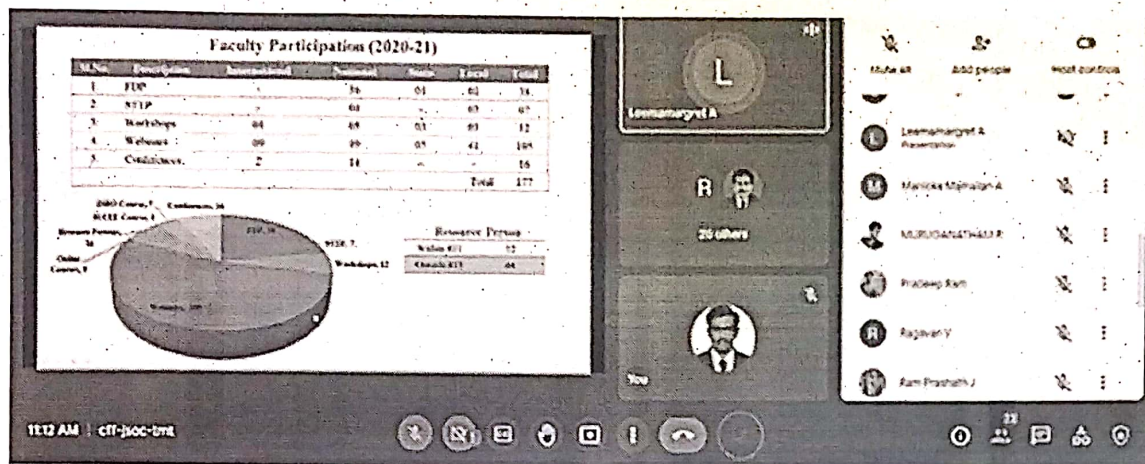


Fig.5 Faculty Participation and Contributions, Presented by Mrs.A.Leema Margret, AP/Civil

Remarks from Members:

- Advised to present the consultancy, maintenance and survey work along with pictures.
- Potential Student projects should be identified and submitted for project proposal.
- Faculty member have to be encouraged to register for Ph.D, thereby faculty publication in journal and conference will also get improved.
- Include department laboratory facilities, documentation work and fees earned through consultancy work by faculty members.
- Suggested the Management that the faculty Cadre and Qualification need to be refined as per AICTE.
- For maintenance work, it was suggested to prefer Diploma level engineers instead of faculty members under Estate Maintenance Department.
- It was recommended to plan and organize new course, so that the name of the institution get improved.

6. STATUS OF CONTINUOUS IMPROVEMENT

Presenter: Dr.M.Indhumathi & Mrs.C.Subha, AP (Sr.Gr.)/Civil

- Presented the academic audits conducted and their reports
- Shared the effectiveness through the academic audits
- Described the Placement, Higher studies and Entrepreneurship details
- Presented the student admission details

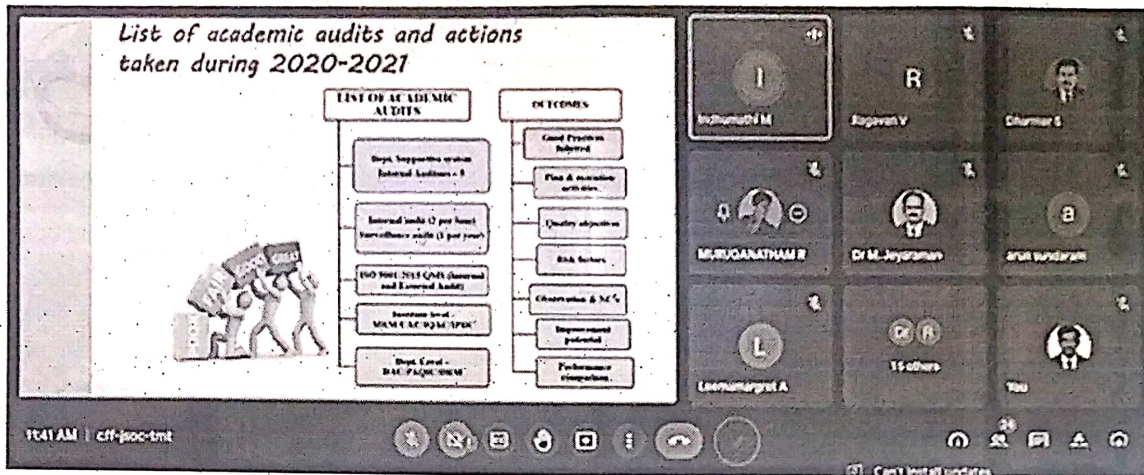


Fig.6 Training and Placement Progress, Presented by Mr.T.Chockalingam, AP/Civil

Remarks from Members:

- Initiate getting feedback from employees after the placements
- Try following more innovative practices in class.
- Motivate the students to get placed in government sectors.

7. REVIEW OF DEPARTMENT ACADEMIC PLAN AND DEPARTMENT PROGRESS

Presenter: Mrs.R.Kalaimani & Mr.R.Muruganatham, Assistant Professor/Civil

- Presented the quality objectives for the academic year 2020 – 2021

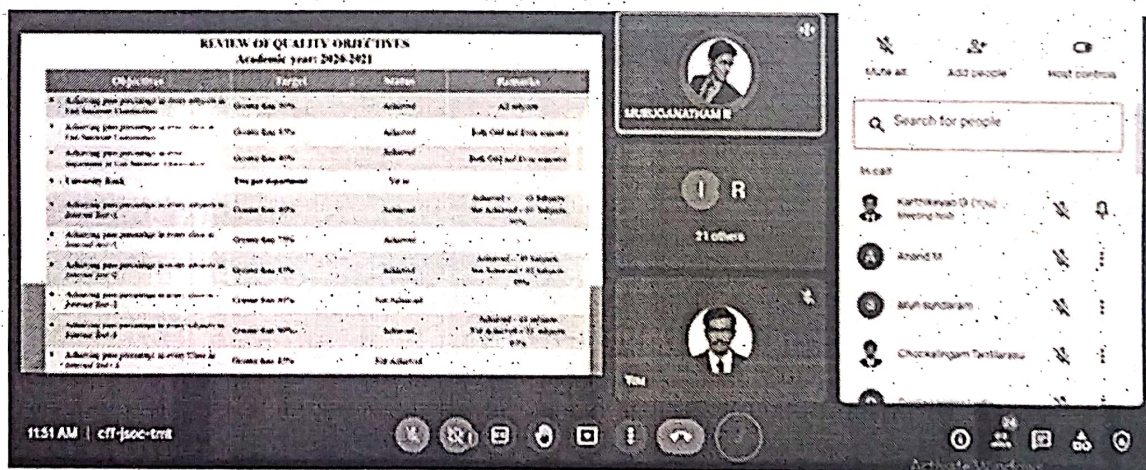


Fig.7 Review of Quality Objectives, Presented by Mr.R.Muruganatham, AP/Civil

Remarks from Members:

- Steps to be taken to achieve the quality objective in the Internal Assessment Test.

- Give practice using previous five years Anna university question paper problems with solution.
- Use different tools for improve the understanding level of the subjects.
- Include audio explanation presentation in all the subjects.
- Mind map technique can be implemented for easy learning and remembering the concept for all the subjects.

8. REVIEW OF 2nd PROGRAM ASSESSMENT AND QUALITY IMPROVEMENT COMMITTEE (PAQIC) MEETING HELD ON 14.08.2021

Presenter: Mr.G.Karthikeyan & Mrs.D.Darling Helen Lydia, AP/Civil

- Presented the agenda of the 2nd Program Assessment and Quality Improvement Committee meeting
- Presented the members' suggestions and action taken details for 2nd PAQIC meeting.

Review of PA&QIC-II

Committee Members 09

Civil: 04
CSE: 01
EEE: 01
ECE: 01
Mechanical: 01
Maths: 01
Representatives 09

Google Meet Link
<https://meet.google.com/cff-ksoc-lml>
Date of Meeting: 14.08.2021
<https://www.nitjpm.ac.in/departments/civil-engg/civil-pac-members.php>

Play (K)

Programme Assessment and Quality Improvement Committee

The agenda of the meeting

- Review of Previous meeting – 1st PA&QIC
- Result analysis of 2019-2020 Even Semester & 2020-2021 Odd Semester
- Teaching and Learning Process
- Attainment of COs, POs, PSOs with program effectiveness (2019-2020)
- Institute – Industry Interactions and its implementations
- Training and Placement Progress & Career Guidance Cell activities
- Professional Societies and Technical Association: Participants and its inference
- Internship & In-Plant Training
- EDC, IIC and NISP Progress
- Faculty participations / performance
- Laboratory utilization with respect to OBE
- Alumni Association Interactions
- Continuous Improvements
- Stakeholders Feedback and analysis: Students/Parents/Alumni Recruiters
- Any other matters

25.09.2021 2

Karthikeyan G

Fig.8 Review of 2nd PAQIC Meeting, Presented by Mr.G.Karthikeyan, AP (Sr.Gr.)/Civil

Remarks from Members:

- Nil

9. ANY OTHER MATTERS

Presenter: Dr.M.Indhumathi, AP/Civil

DOMAIN CLASSIFICATIONS AND DOMAIN COORDINATION							
S.No.	Domain Classification						
	Structural Engineering (SE)	Water Resources Engineering (WRE)	Environmental Engineering (EE)	Geotechnical Engineering (GE)	Transportation Engineering (TE)	Geo-Information (GI)	Construction Engineering Management (CEM)
1	Structural Analysis	Fluid Mechanics	Air Pollution and Control Engineering	Engineering Geology	Explosives, Alloys, Docks and Machine Engineering	Surveying	Disaster Management
2	Strength of Materials I		Water Supply Engineering	Foundation Engineering		Surveying Laboratory	Estimation, Costing and Valuation Engineering
3	Construction Materials		Waste water engineering	Soil Mechanics Laboratory		Total Station and GPS Surveying**	Construction Design**
4	Construction Materials Laboratory		Water and Waste Water Analysis Laboratory			Advanced Surveying**	Construction Planning and Scheduling**
5	Design of Reinforced Concrete Elements		Municipal Solid Waste Management**			Survey Camp	
6	Structural Analysis II		Environmental and Social Assessment**				

Fig.9 Domain Classification, Presented by Dr.M.Indhumathi, AP/Civil

Remarks from Members:

- Include elective courses also in the domain classification.

Overall Remarks from Members:

- Appreciated the identification of curricular gap and comments received from Anna University.
- Conduct value added course of Building Information Modeling (BIM).
- Encourage students to participate two months summer fellowship program which is organized by Indian National Academy of Engineering
- Include check list and IS Code books in the value added course Quality Assurance & Quality Control in Construction
- Include weekly 3 sessions IS code books and specification
- Encourage students to become Member of Indian Road Congress & E-Library
- Encourage students to refer MORTH standards and specifications
- Encourage students for presentation of IS Code book (IS 456 and IS 800) every week two classes
- Include department library utilization details in the next presentation
- Encourage faculty to submit Project proposal in the funding agencies
- Involve students for GATE & Competitive Examination preparation
- Involve students in industrial projects
- Encourage students for manual calculation to validate the results that are obtained from STAAD.Pro and practice cross section and drawing for rough sketch using pencil
- Arrange Hands-on training for Total Station surveying

- Schedule of Rates, Data Book and Units of Measurements can be practiced in the Estimation subject
- For problematic subjects, Mind mapping technique can be used to easily learn the concepts
- More number of innovative practices can be improved.

G. Karthikeyan
25/10/21

Prepared by

Mr.G.Karthikeyan, AP(SG)/Civil

25/10/21

Reviewed by

HOD/Incharge

25/10/21

Approved by

Principal

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Department of Civil Engineering

Minutes of 2nd Department Advisory Committee Meeting held on 21st
November 2020



RAMCO INSTITUTE OF TECHNOLOGY
Department of Civil Engineering

WELCOMES DAC MEMBERS

for

2nd DEPARTMENT ADVISORY COMMITTEE MEETING

DATE: 21.11.2020

ONLINE: GOOGLE MEET

TIME: 3.00 PM to 4.30 PM



SCHEDULE

Sl. No.	Topics	Faculty Incharge	Time
1.	Welcome Address	Mr.S.Dharmar & Mrs Mrs.A. Leema Margret	3.00 PM - 3.15 PM
2.	Review of previous meeting (1 st DAC)		
3.	Review of Quality Objectives		
4.	Teaching and Learning Process	Mrs.C. Subha & Mrs.L.Johny Rani	3.15 PM - 3.30 PM
5.	Course Outcomes and Program Outcomes	Mr. T.Chockalingam	
6.	Students performance	Mrs.R.Kalaimani	3.30 PM – 3.45 PM
7.	Department and Industry Interaction	Mr.G.Karthikeyan	
8.	Training and Placement Progress	Mrs.D.Darling Helen Lydia	3.45 PM - 4.00 PM
9.	Alumni interaction and contribution	Mr.R.Muruganatham	4.00 PM - 4.15 PM
10.	Faculty contribution	Mr. J. Ram Prashath	
11.	Laboratory	Mr.A.Manicka Mamallan	4.15 PM – 4.25 PM
12.	Any other matters	Mr.V.Ragavan	
13.	Vote of Thanks	Mr.G.Karthikeyan	4.25 PM - 4.30 PM

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Review of DAC - I

Industry Member : 1
Academic Member: 1
Internal Members :6

Civil: 02
CSE: 01
Maths: 01
Mechanical: 01
English : 01

Alumni : 1

Agenda of the DAC – I Meeting

- About the College
- About the Department
- Review of Vision, Mission, PEOs, PSOs, attainment of COs and POs
- Curriculum and syllabus
- Course outcomes/attainments
- Curriculum gap /content beyond syllabus
- Faculty Enrichment/Contributions
- Student Enrichment/Support systems/Co-Curricular
- Student's Progression/performance
- Department progress
- Teaching Learning Process
- Stakeholder /feedback
- Continuous improvement
- Academic Objectives

Dharmar S

Department Advisory Committee Members Present in Google Meet:

Er.M.Ravikumar, Dr.S.Nagan, Mr.S.Dharmar, Mr.G.Karthikeyan, Mr.P.Sureshkumar, Mr.R.Venkatesh, Dr.R.Subasree, Dr. M.Anand, Mr.G. Nirmal Ganesh, Mrs.C.Subha, Mrs.D.Darling Helen Lydia, Mr.T.Chockalingam, Mrs.R.Kalaimani, Mr.R.Muruganantham, Mr.J.Ram Prashath, Mr.A.Manicka Mamallan, Mrs.L.Johny Rani, Mrs.A.Leema Margret, Mr.V.Ragavan

Agenda of the Meeting

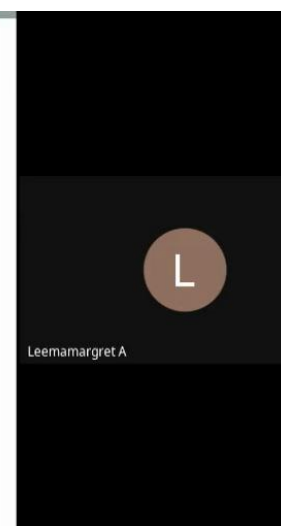
1. Welcome Address
2. Review of previous meeting (1st DAC)
3. Review of Quality Objectives
4. Teaching and Learning Process
5. Laboratory
6. Course Outcomes and Program Outcomes
7. Students Performance
8. Department and Industry Interaction
9. Training and Placement Progress
10. Alumni Interaction and Contribution
11. Faculty contribution
12. Any other matters
13. Vote of Thanks

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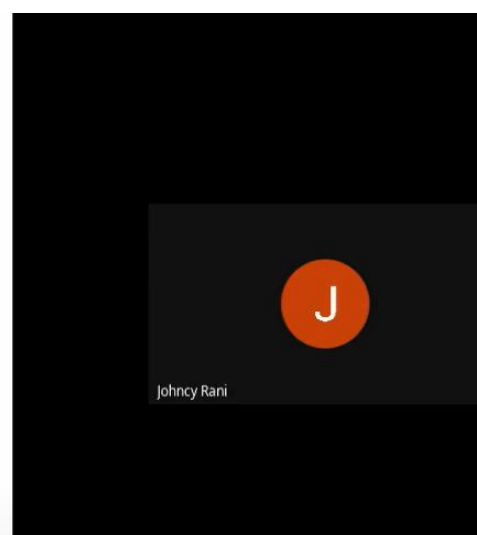
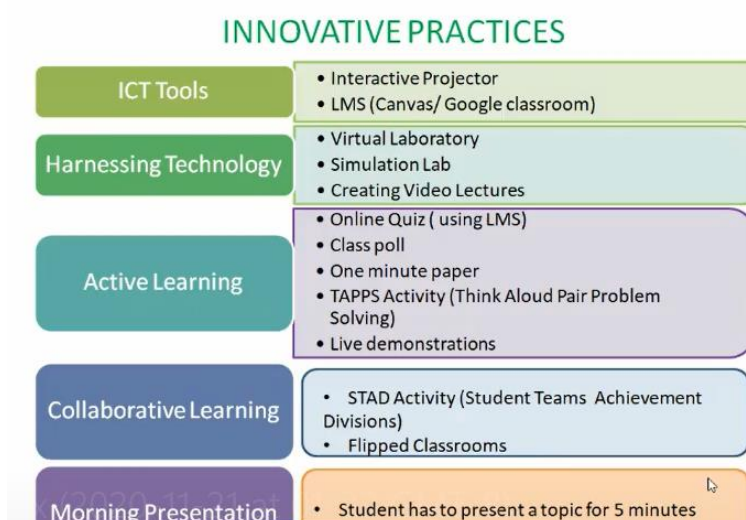
Minutes of Meeting

1. The second DAC meeting started with the address by Mr S.Dharmar, Assistant Professor (Sr.Gr.) and Head, Department of Civil Engineering in extending a warm welcome to the Department Advisory Committee members and a sincere gratitude was expressed towards all the members present in the meeting.
2. Mr.S.Dharmar, Assistant Professor(Sr.Gr.) and Head, Department of Civil Engineering presented the agenda of the meeting and review of previous (1st DAC) meeting.
3. Mrs.A.Leema Margret, Assistant Professor presented the Review of Quality Objectives

Objectives	Target	Status
♦ Virtual Laboratory Experiments	Two per semester (If applicable)	Achieved
♦ Signing of MoU with Industry	Two per year	15
♦ Organising Skill Development Programme for Non-Teaching Staff	One per year	Not Achieved
♦ Patent Filing	Two per year	In Progress
♦ Student Industrial visit	As per the Anna University regulations 2017	12 Students
♦ Internship at Research organization / University (after due approval from the Department Consultative Committee)	As per the Anna University regulations 2017	R- 2013 - 10 R-2017 - Inprogress
♦ Student Industrial training	As per the Anna University regulations 2017	In Progress
♦ Competitive Exams	10% out of appearing should clear the exam.	TANCET – 5 Students Achieved
♦ Activity/ programme with Alumni contribution	Two per year	8



4. Mrs.L.Johny Rani, Assistant Professor presented the Teaching and Learning Process



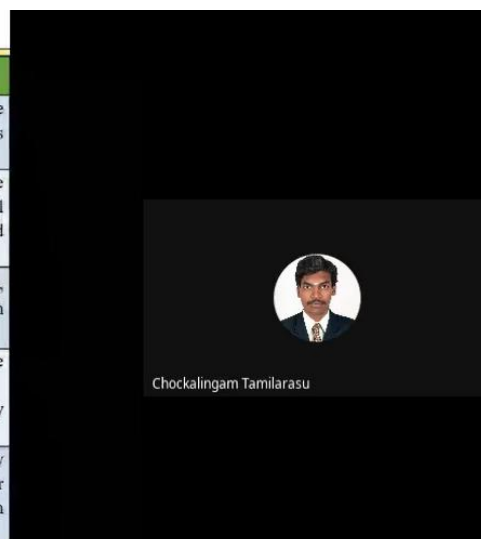
5. Mr.T.Chockalingam, Assistant Professor presented the Course Outcomes and Program Outcomes.

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Direct Assessment Techniques

Evaluation Methods	Process
Internal Assessment Tests	Three Internal Assessment Tests are conducted per semester to evaluate the attainment of course outcomes. Each questions are mapped with COs and blooms level.
Assignments & Tutorials	The tutorials and assignments are given to the students based on the subject nature. For four credit papers tutorials are mandatory. Tutorial and Assignment sheets are prepared by the faculty member with COs and levels.
Continuous Assessment & Model Exam (Laboratory Course)	The evaluation criteria for each experiment are based on performance, viva-voce and record mark. The attainment of COs is calculated through continuous assessment and model practical performance.
Project Reviews	<ul style="list-style-type: none"> Three reviews are conducted periodically to monitor and evaluate the progress of the project using project rubrics. Viva-Voce is conducted at the end of the semester as per University norms.
University Examination	At the end of each semester, final examination is conducted for Theory and Laboratory courses by Anna University, in which question paper covers the entire syllabus and all the Cos are covered in the question papers.

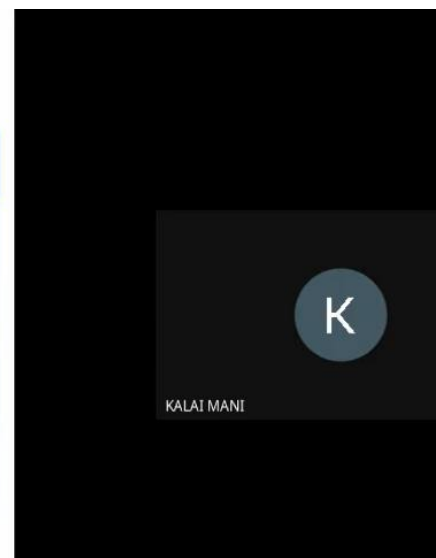


6. Mrs.R.Kalaimani, Assistant Professor presented the Students performance



Student Online course

S.No	Name of the course	Name of the University	No.of Students	Year
1.	Vector Calculus for Engineers	The Honkong University of science and Technology	1	III
2.	Drinking Water treatment	Delftx	8	II
3.	Municipal Solid Waste Management in Developing Countries	Ecole Polytechnique Federale de Lausanne	35	III
4.	Air Pollution - a Global Threat to our Health	University of Copenhagen	22	III

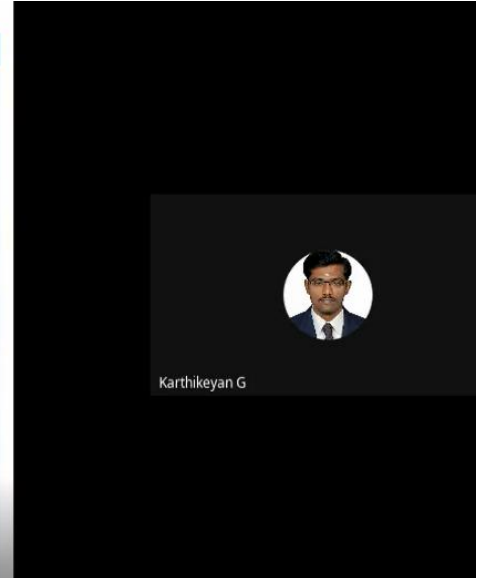


7. Mr.G.Karthikeyan, Assistant Professor (Sr.Gr.) presented the Department and Industry Interaction.

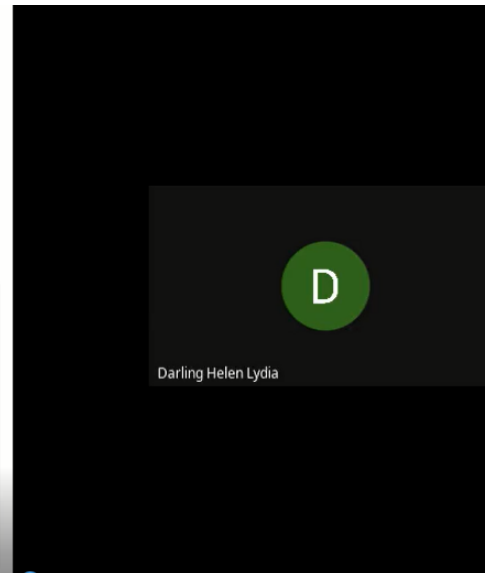
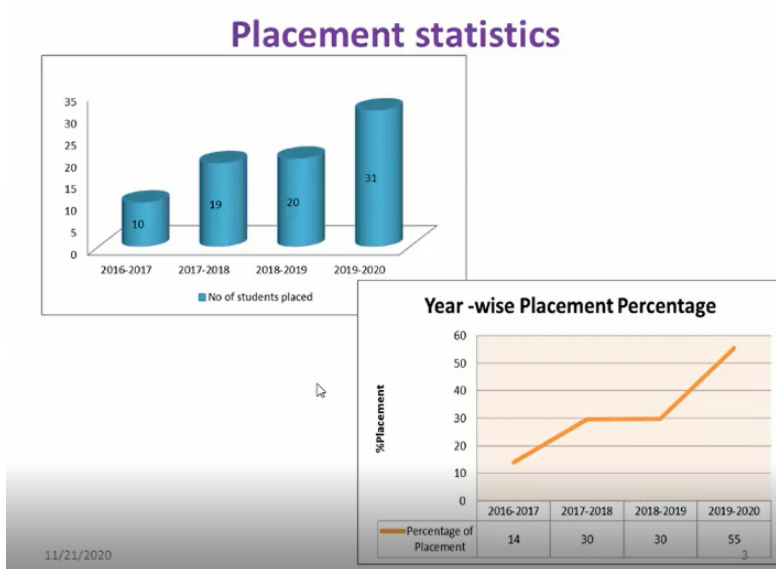
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Impacts of MOU

Organization	Benefits
Infinity PMC Private Limited	Webinar, FDP
Ramco Group of Textile Division	Industrial visits , IPT, Placement
Ramco Cements Ltd	Industrial visits , IPT, Placement
TCSion, Chennai	Offers free Online course s.
M.S. Chellamuthu Trust, Madurai	Workshop on Art on Counseling
Habitat Technology, Trivandram	IPT students & Faculty, Guest lectures, Placement
Land Coordinates Technology	Training, Projects, Virtual Workshops, Placement.
Builders Association of India, Tamil Nadu Centre.	IPT, Placements.
Federation of All Civil Engineering Association of Tamil Nadu	Students Chapter , IPT, Guest Lectures, Placements
Pidilite Industries Pvt. Ltd., Chennai	Placements
ETA Properties Pvt. Ltd., Chennai	Placements
Shinas College of Technology, Oman	Knowledge sharing between institutes



8. Mrs.D.Darling Helen Lydia, Assistant Professor presented the Training and Placement Progress.

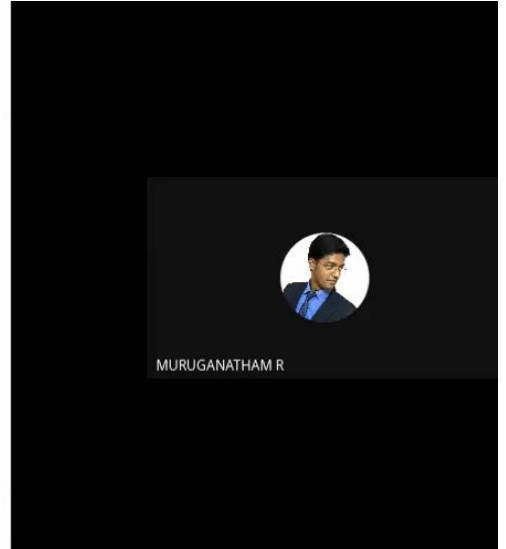


9. Mr.R.Muruganantham, Assistant Professor presented the Alumni interaction and contribution.

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Alumni Interaction

Mr.S.Aravindhan from TCS Kochi, Kerala addressed the Third and Final year civil engineering students on 14.09.2019.



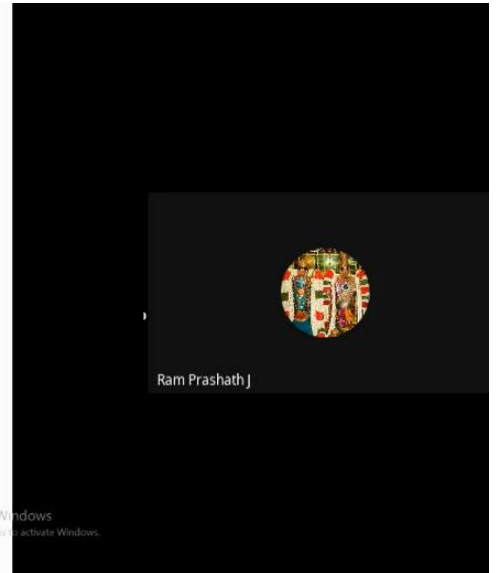
10. Mr.J.Ram Prashath, Assistant Professor presented the Faculty contributions.

Faculty Participation
 Seminars, FDP, STTP, Workshops
 Academic Year (2019 – 2020)

S.No.	Description	International	National	State	Local	Total
1.	Seminars	03	09	02	78	92
2.	FDP	-	05	09	01	15
3.	STTP	-	02	-	-	02
4.	Workshops	-	01	-	-	01
Total						110

Academic Year (2020 – 2021)

S.No.	Description	International	National	State	Local	Total
1.	Webinars	09	23	11	22	65
2.	FDP	-	05	-	01	06
3.	STTP	-	-	-	03	03
4.	Workshops	-	-	01	-	01
Total						75




11. Mr.A.Manicka Mamallan, Assistant Professor presented the Laboratory and any other matters.

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LABORATORY DETAILS


■ New Equipment Purchased (Concrete & Highway Engineering Laboratory)

■ As per 2017 regulation new Equipment were purchased in the Academic Year 2019 – 2020




Binder Centrifuge Extractor

Make : Aimil
Specification:
Capacity 1500g Electrically operated
Use: To determine bitumen percentage in bituminous mixtures



Benkelman beam

Make : Aimil
Specification:
Dial guage in wooden carrying case (as per IRC 81)
Use: To measure the deflection of flexible pavements under the action of moving wheel loads



Ravi Kumar

12. **Er.M. Ravikumar** suggested the following points:

- He appreciated our faculty members for organizing the Technical webinar series I, II and III.
- Target for pass percentage in every subjects should be higher.
- STAAD.Pro software can be taught for finding Shear Force and Bending Moment Diagrams during regular Strength of Materials Classes. He appreciated the faculty Mr.G.Karthikeyan, AP(Sr.Gr.) for the implementation of above concept and completion of online course IIEECP.
- He suggested comparing the attainments achieved for the same subject during the previous academic year which would be useful for faculty members to find where they can enhance.
- Wherever possible subjects topics can be taught correlating them to the laboratory/hands-on-training for better understanding of the concepts.
- In addition to HODs visiting industries, he recommended the faculty members of the department also to visit industries for knowledge updation and upskilling.
- GATE coaching classes can be started by our faculty members
- Innovative materials used in student projects can be used to construct the concrete fencing and poll in the campus.
- He appreciated our faculty members and students for publications in International conference.

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- He also appreciated Mrs.C.Subha, Assistant Professor (Sr.Gr.) for publishing a book chapter.
- He suggested all faculty members to use approved RIT Department power point presentation.
- Experiments have to be conducted to the students using Benkelman beam.
- Students should be engaged in preparing models related to Civil Department instead of purchasing from external members.
- All the faculty members are asked to contribute more towards the publications in journals.

13. **Dr.S. Nagan** suggested the following points:

- He appreciated the efforts taken by the Principal and Management by having a Department Advisory Committee involving academicians, industrial experts, alumni, in the development of Department in all aspects. He also observed that it is a good practice to review the suggestions made in the previous meeting and the measures taken towards the same.

For Teaching - Learning Process

- Classes for weaker students shall be organized.
- Objective type questions (1 mark, 2 marks and 5 marks) could be planned for subjects involving mathematical calculations.
- A well-developed course material for each course shall be prepared.
- Question Bank for each course shall be made ready.
- In case of online classes, the contents taught in the class shall be made available to the students in the form of ppt with audio explanation of each slide
- Further, in case of online classes, number of classes per day shall be limited to 4.
- Similarly, during offline classes also, the duration as well number of classes per day need to be reduced so as to impart effective teaching learning.
- In case of project reviews, Rubrics / guidelines for allocation of marks for each review shall be prepared and circulated to students for preparing accordingly.

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For Industry Institute Interaction

- Industry supported courses shall be attended by Faculty / students.
- NSIC, Hyderabad a Govt. of India undertaking is organizing number of useful courses required for staff as well students to meet industrial needs. They organize courses also for supporting staff. The Chair Person advised making use of these opportunities.
- Institution shall think of signing MoUs with such organizations to offer industry supported courses.
- Virtual Internship at Industries shall be planned especially during this lockdown.

For Sponsored Projects

- A workshop / meeting shall be arranged among the faculty to brief the details of various funding agencies, eligibility criteria, period of applying, etc

For Copyrights/Patents

- To apply for copyrights/patents, programs shall be organized to brief the procedures involved.

For Website Updation

- Faculty shall be advised to update their profile in the college website.

14. **Dr.R.Subhsree** congratulated all faculty members of Civil Engineering Department for supporting students in publishing papers in journals.

15. **Er.Nirmal Ganesh** appreciated our faculty members for conducting virtual laboratory for practical courses and for pursuing more online courses (by faculty members and students).

16. The meeting was closed by extending a appreciation for the details shared by the members. It was assured that sincere effort will be made to accomplish the suggestions effectively by the department.

17. All the advisory committee members were requested to be the driving force of the department and extend all their support towards reducing the curriculum gap in an effective manner.

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18. Mr.G.Karthikeyan, Assistant Professor (Senior Grade), Department of Civil Engineering, proposed the Vote of Thanks to all the members for attending the second DAC meeting with a request to provide long-term support towards the development of the department in all aspects.

Prepared by

Reviewed by

Approved by

Copy to:

1. All the members of DAC over email for information and record.
2. File

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Department of Computer Science and Engineering

RIT/Academic/CSE/DAC-III/2020-21/

Date: 04.12.2020

The minutes of the meeting of the Department Advisory Committee with R&D member, Industry member, Alumni members, Academic member and Internal members

The convener conducted a meeting with the Department Advisory Committee members on 04.12.2020 at 03.00 PM in online (Google meet) and discussed the following points

Members present

SI.No	DAC members	Designation and Company
1	Dr V Anantha Narayanan	Professor Amrita School of Engineering Ettimadai, Coimbatore
2	Mr Sudalai muthu	Consultant Software AG Technologies Pvt Ltd GCS Chennai branch, Prestige Cyber Tower Chennai-600 097
2	Dr K Vijayalakshmi	Professor and Head Department of CSE Ramco Institute of Technology Rajapalayam
3	Dr.M.Kaliappan	Professor Department of CSE Ramco Institute of Technology Rajapalayam
4	Mr C A Yogaraja	Assistant Professor Department of CSE Ramco Institute of Technology Rajapalayam
5	Dr.B.Deepalakshmi	Associate Professor Department of ECE Ramco Institute of Technology Rajapalayam
6	Dr S.Godwin Barnabas	Associate Professor Department of Mechanical Engineering, Ramco Institute of Technology, Rajapalayam
7	Dr U Kumaran	Assistant Professor (SG) Department of Maths Ramco Institute of Technology Rajapalayam
8	Dr P Thiruramanathan	Assistant Professor Department of Physics Ramco Institute of Technology Rajapalayam
9	Mr M Siva	Assistant Manager -IT Ramco Cements, Alathiyur works Alathiyur

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Department of Computer Science and Engineering

RIT/Academic/CSE/DAC-III/2020-21/

Date: 04.12.2020

The minutes of the meeting of the Department Advisory Committee with R&D member, Industry member, Alumni members, Academic member and Internal members

10	Ms.A.Vennila	Team Lead IVTL Infoview Technologies Pvt Ltd Chennai
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Sl. No.	Points discussed	Target Date	Responsibility
1	Convener Dr.K.Vijayalakshmi welcomed the DAC members and reiterated the agenda of the meeting. She informed that CSE department submitted SAR on 15.12.2019. NBA visit is scheduled on 05.03.2020. It was postponed due COVID19 pandemic.	-	-
2	<p style="text-align: center;">The following agendas are discussed and presented by faculty members</p> <ul style="list-style-type: none"> • Review of previous meeting (2nd DAC), Review of Quality Objectives by Dr.M.Kaliappan • Vision and Mission of the Department and Institute by Ms.N.Nithya • Teaching and Learning Process & Student Support Systems by Ms.S.Swarna Sudha & Ms.P.Jothi Thilaga • Industry Interaction by Ms.N.Nithya • Course Outcomes and Program Outcomes & Continuous improvement by Dr.M.Gomathynayagam • Students Performance by Mr.R.Venkatesh & Mr.K.Vignesh saravanan • Faculty Information and Contributions by Ms.B.Vijayalakshmi • Facilities and Technical Support by Ms.S.Manjula • Stakeholders feedback by Ms.P.Jothi Thilaga • Any other matters 	-	-
3	Meeting has been declared open for inviting suggestions for enhance the program assessment	-	-
4	<p>Mr. Sudalai muthu congratulated all the faculty members and department for following a lot of best practices such as LMS, Mentimeter to improve the teaching-learning process.</p> <p>He suggested the following do's in project</p> <ul style="list-style-type: none"> • DevApps for software lifecycle • Implement Test cases • Agile model • User stories to technical solution 	Continuous	HOD and All faculties

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Department of Computer Science and Engineering

RIT/Academic/CSE/DAC-III/2020-21/

Date: 04.12.2020

The minutes of the meeting of the Department Advisory Committee with R&D member, Industry member, Alumni members, Academic member and Internal members

	<ul style="list-style-type: none">• Team collaboration for work home <p>He also suggested that students may use serverless projects, open-source projects for enterprises, cloud platforms like Azure, Amazon.</p> <p>He advised the students to learn GO and REST language for software development and to develop their own product.</p>		
5	<p>Dr.V.Anantha Narayanan praised the activities carried out by department such as the teaching-learning process, professional societies, Industry-Institute interaction, project, MoU, patent, and publications.</p> <p>He suggested that to develop a catchy webpage regarding students and department achievements to attract the students, parents, and industry.</p> <p>He advised that to prepare a video profile in English and local language for the department includes best practices of CSE department and success stories of alumni for promotional activities.</p> <p>He also suggested that preparing a compact department broucher that highlight achievement and best practices.</p> <p>He advised the students to create an account in Github and posted their projects. Also, he suggested creating an intranet repository for storing previous student projects.</p>	Continuous	HOD and All faculties
6	<p>Alumni Ms. Vennila suggested that second students can use open source to develop project and posted it in Github. Also,she suggested that final students has to use frameworks like AngularJS, ReactJS, Dejango and EmberJS.</p>	Continuous	HOD and All faculties
7	<p>Dr. S.Godwin Barnabas suggested writing books with a reputed publisher</p>	-	HOD and All faculties
8	<p>Dr.B.Deepalakshmi suggested to improve salary package and interdisciplinary project</p>	-	HOD and All faculties
9	<p>Dr. Dr P Thiruramanathan suggested disseminating the DAC-III presentation to parents and students to know the CSE department activities.</p> <p>Also, he suggested that to develop the in-house projects to make paperless work.</p>	Continuous	HOD and All faculties

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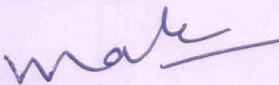
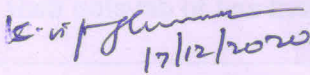

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Department of Computer Science and Engineering

RIT/Academic/CSE/DAC-III/2020-21/

Date: 04.12.2020

The minutes of the meeting of the Department Advisory Committee with R&D member, Industry member, Alumni members, Academic member and Internal members

10	Ms.S.Manjula extended the Vote of Thanks for all the members for attending the third DAC meeting with a request to provide long-term support for the prospective development of the department in all means.	-	-
Prepared by: NBA Coordinator 		Recommended by HOD/CSE  17/12/2020	Approved by: Principal  17/12/20

Note: DAC-III Report - Refer Annexure I

Copy to: 1) All ----- to circulate among ----- for needful action
2) File



**RAMCO INSTITUTE OF TECHNOLOGY
RAJAPALAYAM**



**Department of Computer Science and Engineering
Academic Year 2020 – 2021**

**Report on
Department Advisory Committee (DAC) Meeting –III**

04.12.2020

Venue: Online (Google Meet)

Annexure- I

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Welcome by Dr.K.Vijayalakshmi, Professor and Head

1.

1. Review of previous meeting (2nd DAC), Review of Quality Objectives



Review of previous meeting (2nd DAC), Review of Quality Objectives by Dr.M.Kaliappan

Criteria	Presented Content	Members Suggestions	Action Taken(after DAC I)
Criteria 1	Vision, Mission and Program Educational Objectives	Approved by DAC members in DAC-II meeting held on 07.12.2019	Presented in CAC and Governing council meeting & approved
Criteria 2	Program Curriculum and Teaching - Learning Processes (Content Beyond syllabus, Curriculum	Highlight the project work course credits in the curriculum	Incorporated in the SAR and included impact of the projects

	m Gap, Teaching- Learning Process, Industry Interaction, Industry Internship/Training)	CO-PO mapping for all the courses based on the individual course outcome	Prepared and Incorporated in the report
		Detailed procedure to be explained for identification of Bright/Slow learners	Details Process were identified and incorporated in the report
		Highlight the details of curricular gap/content beyond syllabus	Highlighted the curricular gap and content beyond syllabus
Criteria 3	Course Outcomes and Program Outcomes	CO-PO mapping for all the courses based on the individual course outcome	Correlated all outcomes with PO
Criteria 4	Students' Performance	Corrective measures and action taken of the student feedback system can be included in the NBA-SAR	Incorporated the corrective measures and action taken of the student feedback for two subject who got less than the bench mark
		Highlight the student participation in the higher learning institutes like IIT and NIT	Highlighted in the NBA-SAR
		Start an ACM and IEEE student chapter to enrich the knowledge in multidisciplinary way	Under progress

Criteria 5	Faculty Information and Contributions	Faculty members to submit the project proposals in good numbers	05 proposal submitted – DST 09-FARE 01-DRDO
		Publishing more paper in high impact factor Journals	05 paper published in more than 2 Impact factor
Criteria 6	Facilities and Technical Support	Final year projects are suggested to undertake individually	We allotted individual project in 2019-2020 batch. 42 projects are carried out.
		Alumni suggested converting final year projects into patents and if possible Journal paper	02 –patent 18-International conference 03-Journal publication
Criteria 7	Continuous Improvement	Offer more content beyond syllabus that strongly supports the PO6, PO7 and PO1	Application of DBMS in Banking system, Multimedia database, NoSQL database, 5G-networks–PO1, PO6 ASP.NET web service-PO1 Webinar -11,

		Offer One credit courses that strongly supports the PO6, PO 7 and PO1	VAC on Cyber security, Data Science, Spring framework, Django framework, Mobile development, Attack and vulnerability
--	--	---	---

2. Quality Objectives

	Target	Activity	Attained
01	4	Conducting Certificate Courses focus on employability/ entrepreneurship	2
02	2	Offering Skill Development Program for students/general public	2
03	2	Offering value added courses to students	0
04	2	Number of Field Projects	0
	Target	Activity	Attained
05	5	Number of Internships	9
06	Faculty	Using ICT for effective teaching with Learning Management Systems (LMS)	Used
07	2 Courses /sem	Using virtual laboratories, e-learning, open educational resources and mobile education by Faculty	2 courses
08	Faculty	Providing course plan with course outcomes/program outcomes prior to the commencement of the academic session	do

	Target	Activity	Attained
09	1	University Rank Holders	2 to be expected
10	3	Submission of Project proposals to funding agencies	15
11	1	Interdisciplinary project – Faculty / Students	1
12	1	Student research projects (other than compulsory by college)	4

	Target	Activity	Attained
13	1	Organizing Workshops/Seminars on Industry-Academia Innovative practices	0
14	2	Filing Patents from UG/PG students project/mini-project work	04
15	1 per faculty (14)	Publications in peer reviewed journals (Scopus indexed)	14
16	2	Books and Chapters in edited Volumes / Books published	3

	Target	Activity	Attained
17	1 per faculty (14)	Faculty participation in Seminars/ Conferences and Symposia (based on attended)	13
18	6	Faculty participation in Seminars/ Conferences and Symposia (based on presentation)	0
19	02	Number of Collaborative activities for research, faculty exchange, student exchange	02- publication
20	2	Linkages with institutions/industries for internship, on-the-job training, project work, sharing of research facilities	0
	Target	Activity	Attained
21	02	MoUs signed with institutions of national, international importance, other universities, industries, corporate houses	02
22	1	Publishing Department magazine	1
23	04	Activities organized by Alumni association	06
24	2	Professional development programmes organized by the College for teaching	1

	Target	Activity	Attained
25	01	Professional development organized by the College for non-teaching staff	01
26	1per faculty (14)	Attending professional development programmes, viz., Orientation Programme, Refresher Course, STTP,FDP	13
27	04	Organizing guest lectures by experts / people of eminence	15
28			

Professional development organized for teaching

Professional development organized for Non-teaching

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Rajapalayam, Virudhachari District, Tamil Nadu - 626117

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
Training Program on
Python Programming for Faculty Members

Mr. K. Venkatesh, AP(SG)/CSE, IIT, Rajapalayam
Mrs. M. Swarna Sudha, AP(SG)/CSE, IIT, Rajapalayam
Mrs. V. Anusuya, AP(SG)/CSE, IIT, Rajapalayam
Mrs. B. Vijayalakshmi, AP(SG)/CSE, IIT, Rajapalayam
Mr. K. Vignesh Saravanan, AP/CSE, IIT, Rajapalayam

Mr. D. Lakshmanan, AP(SG)/CSE, IIT, Rajapalayam
Mrs. N. Nithya, AP/CSE, IIT, Rajapalayam
Mrs. S. Manjula, AP/CSE, IIT, Rajapalayam
Ms. P. Jothi Thilagha, AP/CSE, IIT, Rajapalayam

Date: June 5- June 19, 2020
Registration Link: <https://forms.gle/gpZ6eWsqW6BMF29>
Venue: Project Laboratory
Session Timing: 11.00 AM - 12.00 PM

Mrs. M. Swarna Sudha, AP(SG)/CSE, FACULTY COORDINATORS
Dr. M. Kalaypan, AD/CP/CSE, CONVENER
Dr. K. Vijayalakshmi, HOD/CSE, PATRON
Dr. L. Ganesan, Principal, CHIEF PATRON

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North Venganothur Village, Rajapalayam - 626 117

Orientation Programme on
Hands On Training: Virtual Laboratory
for Lab Technicians (online live webinar)
(Civil/CSE/EEE/ECE/MECH/SSH)
In association with

ISE-INDIA
ISE-RIT-SRA & RIT ISTE FACULTY CHAPTER

Mr. A. Kannan, AP/EEEC, Rajapalayam
Mrs. D. Sindhu, AP/EEE, Rajapalayam
Mrs. B. Vijayalakshmi, AP/EEEC, Rajapalayam
Mr. K. Vignesh Saravanan, AP/EEEC, Rajapalayam
Mr. S. Manjula, AP/EEEC, Rajapalayam
Mr. A. Vigneshwar, AP/EEEC, Rajapalayam
Mrs. A. Chitra, AP/EEEC, Rajapalayam
Mr. G. Pradeep, AP/EEEC, Rajapalayam
Mr. A. Kumar, AP/EEEC, Rajapalayam
Dr. J. Anandhi, AP/EEEC, Rajapalayam

<https://forms.gle/r6MxG6iy2ZR8mxCa47>
NOV 03, 2020
TIMING: 2.00 P.M. TO 4.00 P.M.
E-CERTIFICATES WILL BE PROVIDED TO ALL PARTICIPANTS
MAXIMUM 100 PARTICIPANTS
PLATFORM : GOOGLE MEET.

FACULTY CO-ORDINATORS: Mr. S. Jerald John, BTE/AD/SG/Mech, Mr. K. Kannan, AP/SG/EECE, Mr. K. Arunathan, AD/Mech
CONVENER: Dr. S. Kannan, HOD/EEE, ISTE Secretary
PATRON: Dr. S. Gajanantharam, Vice Principal and Head/Mech
CHIEF PATRON: Dr. L. Ganesan, Principal
ISTE Faculty Coordinator: Dr. B. Deepa Lakshmi, AS/CP/EECE

2. Vision and Mission of the Department and Institute



Vision and Mission of the Department and Institute by Ms.N.Nithya

Vision and Mission of the Institute and Department

The Vision and Mission of the Institute and Department were presented in the DAC Meeting III. The vision and Mission of the Department were presented in DAC Meeting I and DAC Meeting II and was also approved by DAC members.

Vision of the Institute

To evolve as an Institute of international repute in offering high-quality technical education, Research and extension programmes in order to create knowledgeable, professionally competent and skilled Engineers and Technologists capable of working in multi-disciplinary environment to cater to the societal needs.

Mission of the Institute

To accomplish its unique vision, the Institute has a far-reaching mission that aims:

- To offer higher education in Engineering and Technology with highest level of quality, Professionalism and ethical standards
- To equip the students with up-to-date knowledge in cutting-edge technologies, wisdom, creativity and passion for innovation, and life-long learning skills

- To constantly motivate and involve the students and faculty members in the education process for continuously improving their performance to achieve excellence.

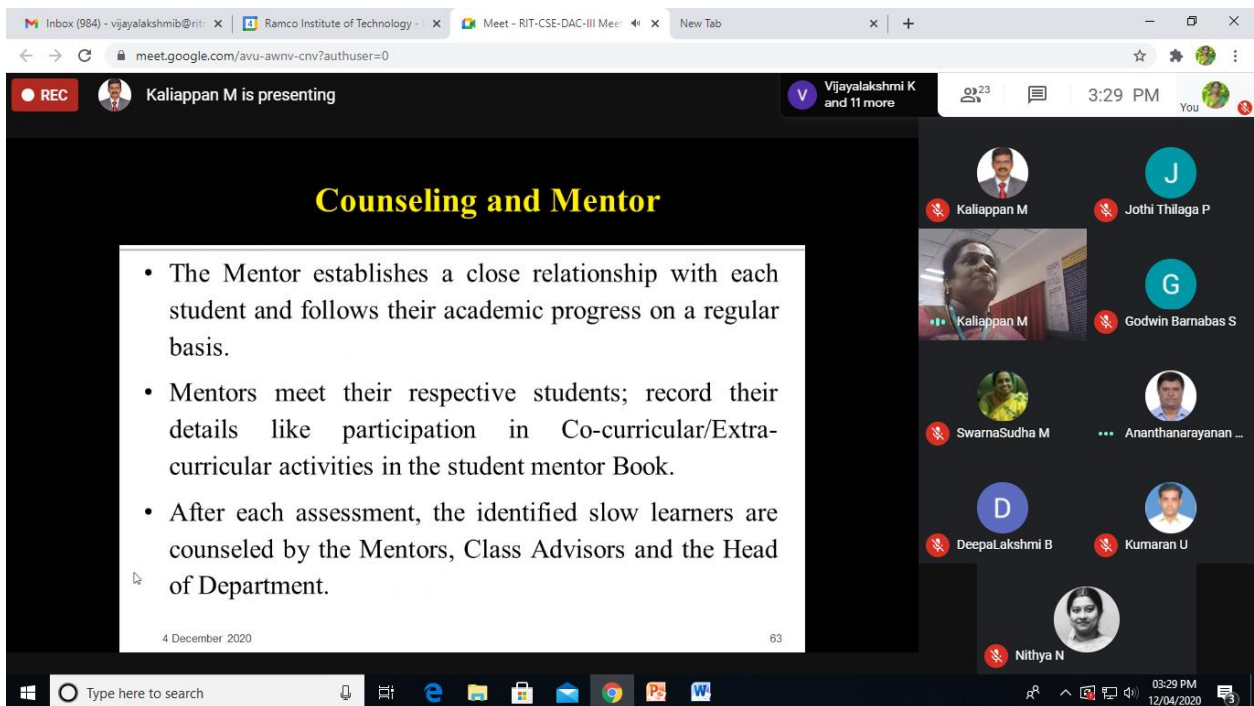
Vision of the Department

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

Mission of the Department

- 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.

3. Teaching and Learning Process



Teaching and Learning Process & Student Support Systems by Ms.S.Swarna Sudha &

3. Teaching and Learning Process & Students Support Systems

Prepared by: Mrs.M.Swarna Sudha

The Department follows standard, systematic and transparent procedures for the quality implementation of the Teaching Learning process. Teaching and Learning process have two perceptions such as effective teaching and effective learning.

The academic calendar is prepared for higher semester courses and first semester courses for every semester as per the Anna University academic schedule. Academic calendar includes the details as shown in figure 1

Higher Semester

First Semester

RAMCO INSTITUTE OF TECHNOLOGY
Academic Schedule for ODD Semester of Academic Year 2020-21
III Semester, V Semester & VII Semester BE Courses

AUGUST		SEPTEMBER		OCTOBER		NOVEMBER	
1 SAT	15	1 THU</td <td>15</td> <td>11</td> <td>25</td> <td>1</td> <td>Holiday</td>	15	11	25	1	Holiday
2 SUN	16	2 FRI	16	12	26	2	MCN
3 MON	17	3 SAT	17	13	27	3	JAT QP-1 Submission
4 TUE	18	4 SUN	18	14	28	4	Holiday
5 WED	19	5 MON	19	15	29	5	JAT-1 (Ends)
6 THU	20	6 TUE	20	16	30	6	Completion of Unit IV
7 FRI	21	7 WED	21	17	31	7	MCN
8 SAT	22	8 THU	22	18	1	8	MCN
9 SUN	23	9 FRI	23	19	2	9	Completion of Unit II
10 MON	24	10 SAT	24	20	3	10	MCN
11 TUE	25	11 SUN	25	21	4	11	MCN
12 WED	26	12 MON	26	22	5	12	MCN
13 THU	27	13 TUE	27	23	6	13	MCN
14 FRI	28	14 WED	28	24	7	14	MCN
15 SAT	29	15 THU	29	25	8	15	MCN
16 SUN	30	16 FRI	30	26	9	16	MCN
17 MON	31	17 SAT	31	27	10	17	MCN
18 TUE	1	18 SUN	1	28	11	18	MCN
19 WED	2	19 MON	2	29	12	19	MCN
20 THU	3	20 TUE	3	30	13	20	MCN
21 FRI	4	21 WED	4	31	14	21	MCN
22 SAT	5	22 THU	5	1	15	22	MCN
23 SUN	6	23 FRI	6	2	16	23	MCN
24 MON	7	24 SAT	7	3	17	24	MCN
25 TUE	8	25 SUN	8	4	18	25	MCN
26 WED	9	26 MON	9	5	19	26	MCN
27 THU	10	27 TUE	10	6	20	27	MCN
28 FRI	11	28 WED	11	7	21	28	MCN
29 SAT	12	29 THU	12	8	22	29	MCN
30 SUN	13	30 FRI	13	9	23	30	MCN
31 MON	14	31 SAT	14	10	24	31	MCN

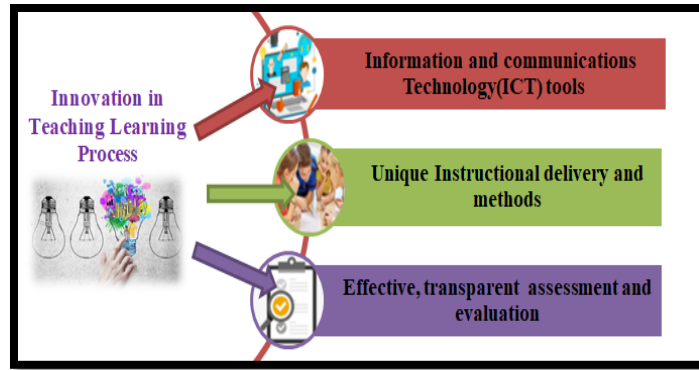
RAMCO INSTITUTE OF TECHNOLOGY
Academic Schedule for ODD Semester of Academic Year 2020-21
I Semester BE Courses

NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	15	1	15	1	15	1	15	1	15
2	16	2	16	2	16	2	16	2	16
3	17	3	17	3	17	3	17	3	17
4	18	4	18	4	18	4	18	4	18
5	19	5	19	5	19	5	19	5	19
6	20	6	20	6	20	6	20	6	20
7	21	7	21	7	21	7	21	7	21
8	22	8	22	8	22	8	22	8	22
9	23	9	23	9	23	9	23	9	23
10	24	10	24	10	24	10	24	10	24
11	25	11	25	11	25	11	25	11	25
12	26	12	26	12	26	12	26	12	26
13	27	13	27	13	27	13	27	13	27
14	28	14	28	14	28	14	28	14	28
15	29	15	29	15	29	15	29	15	29
16	30	16	30	16	30	16	30	16	30
17	31	17	31	17	31	17	31	17	31
18	1	18	1	18	1	18	1	18	1
19	2	19	2	19	2	19	2	19	2
20	3	20	3	20	3	20	3	20	3
21	4	21	4	21	4	21	4	21	4
22	5	22	5	22	5	22	5	22	5
23	6	23	6	23	6	23	6	23	6
24	7	24	7	24	7	24	7	24	7
25	8	25	8	25	8	25	8	25	8
26	9	26	9	26	9	26	9	26	9
27	10	27	10	27	10	27	10	27	10
28	11	28	11	28	11	28	11	28	11
29	12	29	12	29	12	29	12	29	12
30	13	30	13	30	13	30	13	30	13
31	14	31	14	31	14	31	14	31	14

Academic calendar (2020-21) Odd Semester

The copy of academic calendar is distributed to all the faculty members before the commencement of each semester in order to prepare the course documents for effective teaching.

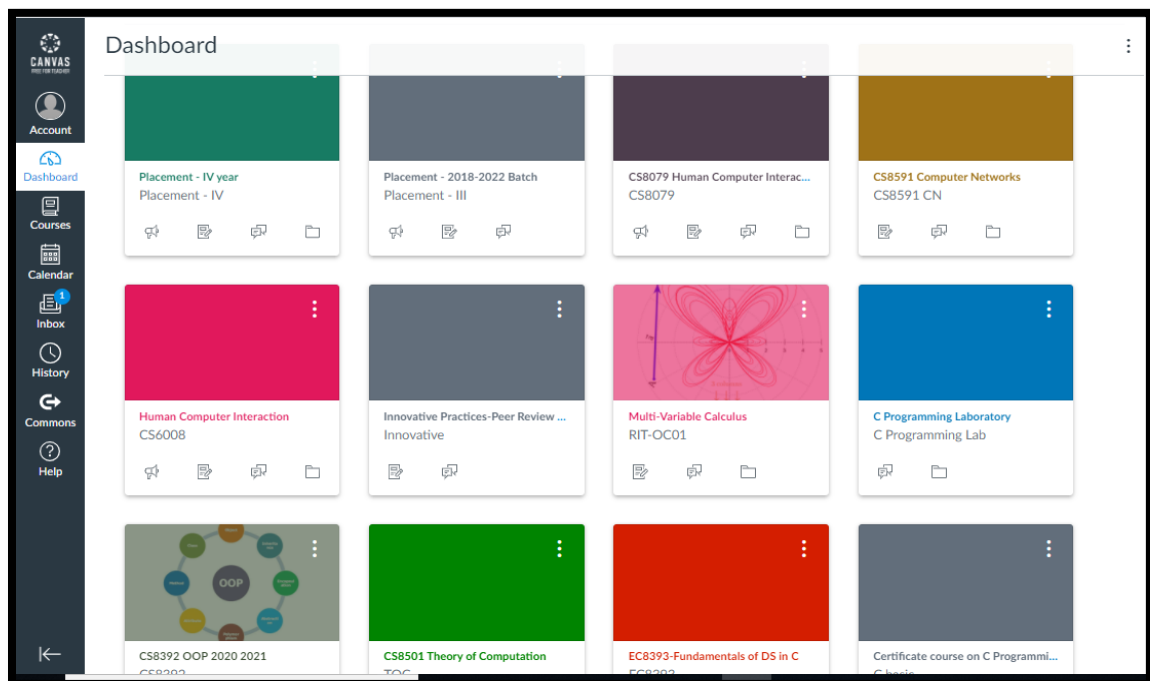
We have categorizing the Innovation in Teaching-learning Process into 3 categories



Categorizing the Innovation in Teaching-learning Process

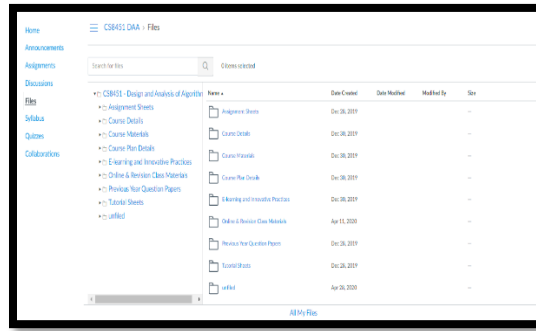
1. ICT Supported Learning:

Students are encouraged to pursue for MOOCs (Massive Open Online Courses) and watch NPTEL video lectures, e-Learning, edX to improve the fundamental concepts and communication skills in the respective course. Simulation software like NS2, Packet Tracer and virtual lab are used for effective learning.



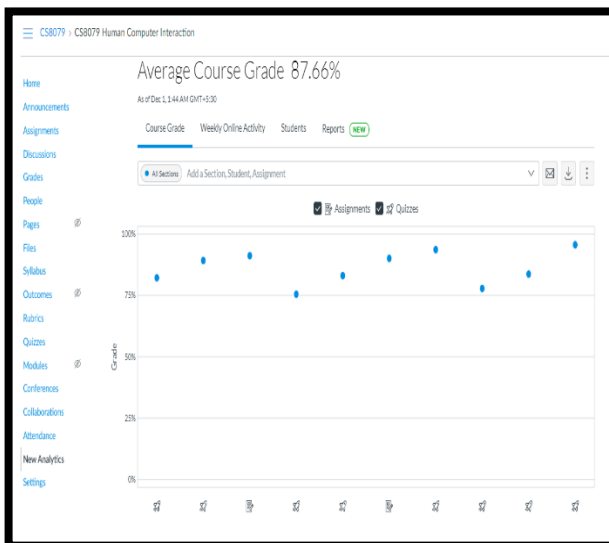
LMS platforms used

Canvas LMS is used for this course through which study materials including Course plan, syllabus, E-Books, Lecture notes, PPT, question bank are shared. This helps the students to get access to those materials round the clock. The Sample canvas for Subject CS8451 Design and Analysis of Algorithms shown in the figure



Sample canvas for Subject CS8451 Design and Analysis of Algorithms

Also faculty analysis analytics and grade sheet to check the active participate of the students in the canvas

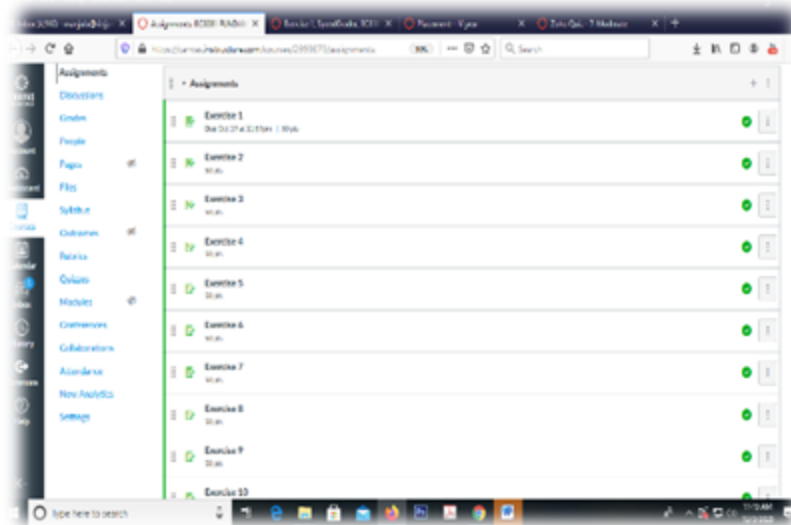


CANVAS Analytics

Student Name	Week 1 Quiz	Week 2 Quiz	Assignment 01	Unit 1 Quiz	Unit 2 Quiz	Unit 3 Quiz	Unit 4 Quiz	Unit 5 Quiz	Unit 6 Quiz	Unit 7 Quiz	Unit 8 Quiz
PSRATHAN	27	10	15	10	30	7	51	58	54		
PSRATHAN	18	7	17	10	28	10	-	59	48		
PSRATHAN	28	10	18	10	30	8	58	60	48		
NEHARWALA	28	9	15	10	25	9	60	58	48		
GAUTHA	26	10	16	8	25	9	58	52	57		
RETHKA	18	8	20	5	28	-	57	54	57		
AJAYANANDA	25	8	20	10	20	7	43	50	59		
DEEPIKAV	28	9	20	9	27	-	41	56	48		
ANURAG	25	10	15	8	30	9	60	58	58		
GURJANAND	25	10	17	10	30	8	50	57	4		
PRASANNAM	28	10	15	10	30	10	59	45	57		
ATHI	18	4	20	10	20	8	56	50	43		
MOHAMED	18	8	17	10	25	9	56	50	58		
NEHARWALA	28	9	15	10	25	8	56	57	58		
NEHARWALA	28	3	16	8	25	1	41	59	54		
RAJEE	29	-	17	7	28	6	34	58	58		
DIVYANAND	27	9	20	10	20	8	56	40	52		
SAITHEL	29	5	20	6	20	10	57	50	57		
SAITHEL	-	10	17	10	30	8	57	58	49		
SHREYAS	28	3	15	10	26	-	55	57	57		
SADHAN	29	10	20	7	20	5	53	58	48		

CANVAS Grades-

Even for the practical course all the students should upload all the experiment and faculty will be evaluating the all experiment programs with rubrics. Marks will be allotted based on their performance and viva .



Sample Fundamentals of Data Structure in C

Instructional methods and Pedagogical Initiatives:

Instructional Methods is a non-traditional form of lecturing, which focuses on demonstration, recitation, memorization, or combinations of all and interaction with students and put forth their views. The objective of Instructional methods is to provide direction for the instructional process by clearly stating the intended learning outcomes



List of Instructional Methods and Pedagogical Initiatives.

Active learning is an approach for actively engaging the students in the classroom. The activities are conducted for short duration to increase the attention span of the student which helps to transfer knowledge in better way. The various active learning activities are conducted by faculty members are shown in table

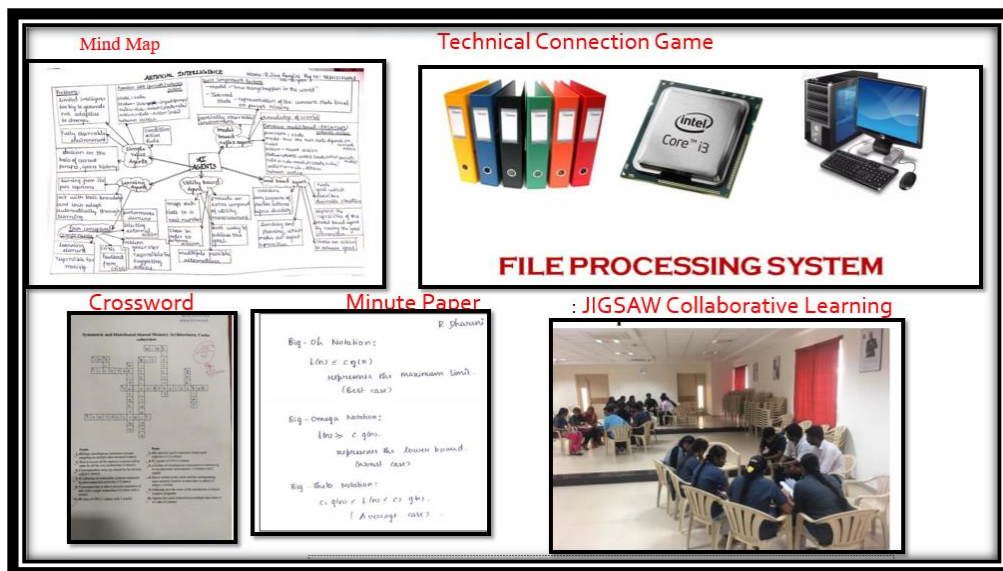
WORKS AVAILABLE IN THE INSTITUTE WEBSITE

Innovative practices with enclosures is available in Course file and in the Institute

Website:<https://www.ritrjpm.ac.in/departments/computer-science-engg/innovative-practices.php>

Name of the faculty	Semester/ Course Code / Title	Innovative practice in delivery methods
Dr.K.Vijayalakshmi & Mrs.B.Vijayalakshmi	CS8251 Programming in C	Think-Write-Pair-Share
		Code Debugging
		Crossword Puzzle
Dr.M.Kaliappan	CS8601-Mobile Computing	JIGSAW Collaborative Learning
		Student Teams-Achievement Divisions (STAD)
		JIGSAW
		Virtual Lab
Mr.R.Venkatesh	GE6075 Professional Ethics in Engineering	Think Pair Share
		Flash Cards
Mrs.M.Swarna Sudha	CS6008 Human Computer Interaction	Reflection
		JIGSAW
		Think Pair Share
Dr.V.Anusuya	CS8602 Compiler Design	Learning By Teaching
		Collaborative Learning
		Reflections
Dr.M.Gomathy Nayagam	CS6801 Multi-core Architecture and Programming	Cross Word Puzzle
		Hands-On
		Flipped Class
Mrs.N.Nithya	CS8493 Operating Systems	The One-Minute Paper
		Role Play

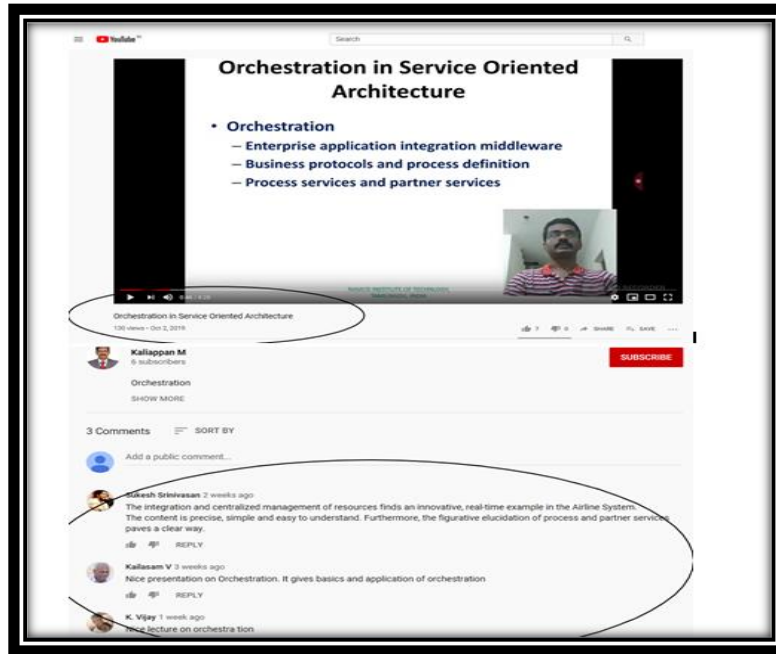
		Mind Map
Mr.D.Lakshmanan	IT8076-Software Testing	Think-Pair-Share
		The One-Minute Paper
Ms.P.Jothi Thilaga	CS8451 Design and Analysis of Algorithms	Minute Paper
		Think-Pair-Share
		Student Team Achievement Divisions (STAD)
		Flipped Classroom
Mrs.S.Manjula	CS8691 Artificial Intelligence	Learning through Mind map, Recap
		Reflection, Group Activity
		Flash Cards
Mr.C.A.Yogaraja	CS8651 Internet Programming	Real Word Learning
Mr.K.Vignesh Saravanan	CS8492 Database Management Systems	Flipped Classroom
		Technical Connection Game
		JIGSAW
		Collaborative Learning



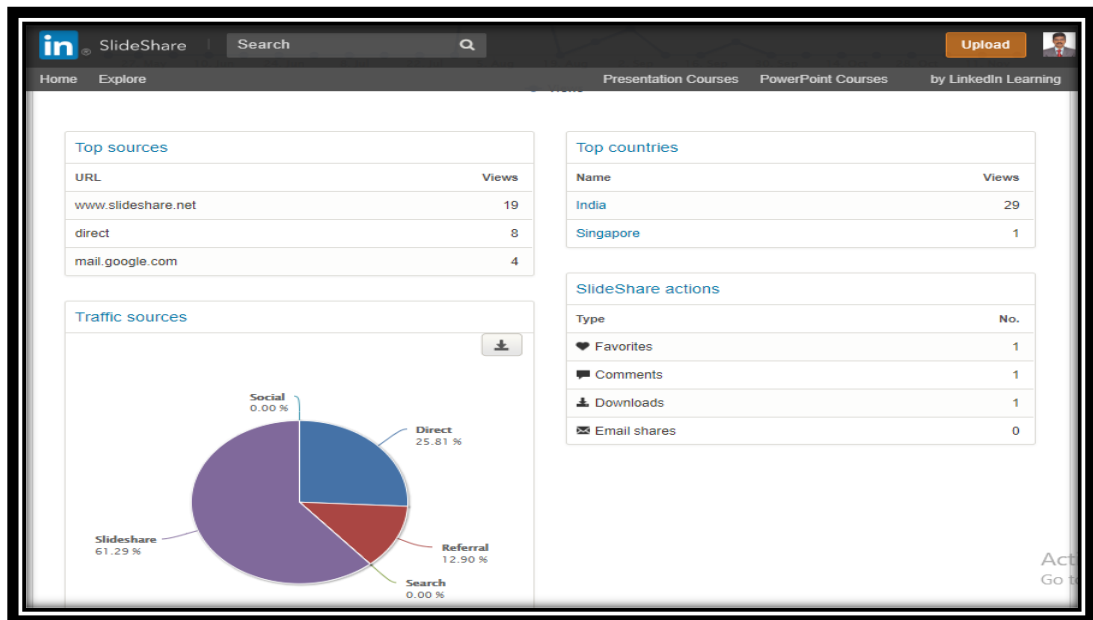
Gallery of Instructional Delivery Methods

Published Video lecture and share in Slide Share: Many faculties published video lectures and all the faculties have share the content in share slide. The video lecture on Orchestration in

the subject IT6801-Service Oriented Architecture during the academic year 2019 – 2020 published in Youtube: <https://youtu.be/fhtJltuDIY>.

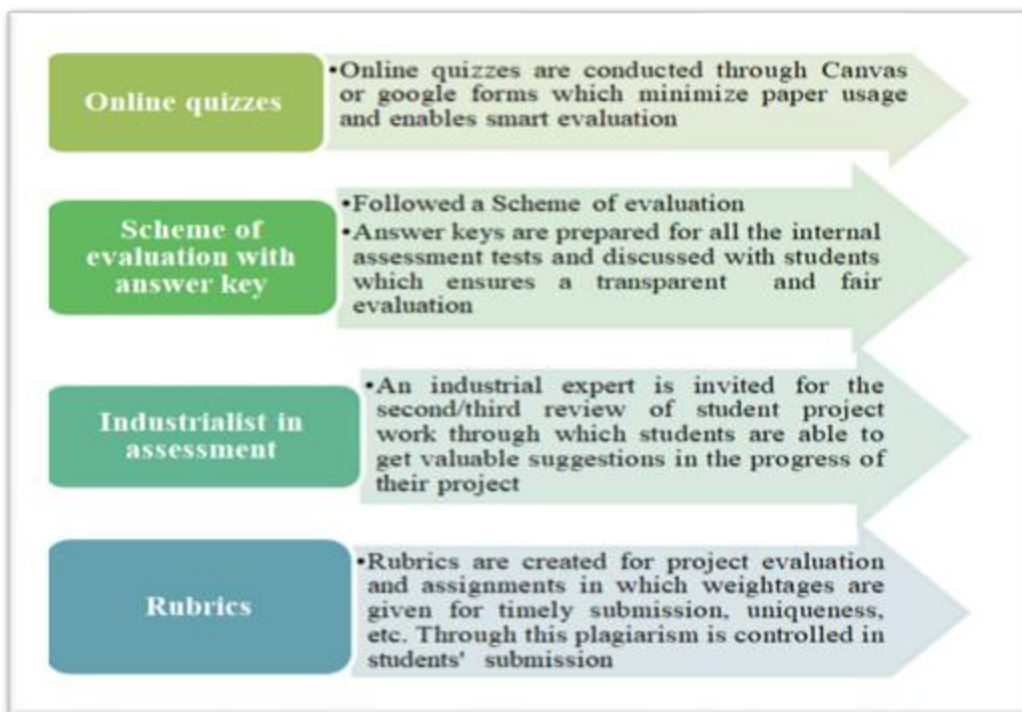


The Think-pair-share innovative practice followed for the topic DTD for TV schedule in the subject IT6801-Service Oriented Architecture was published in slide share in the following url: <https://www.slideshare.net/kaliappan20/innovative-practicethinkpairsharetopic-dtd-for-tv-schedule>



Views Statistics of Think-pair-share innovative practice in slide share

Effective, transparent assessment and evaluation: Effective and Transparent evaluation in all the courses of CSE department is brought in through the use of rubrics for assignments, the conduct of online quizzes through Canvas or Google forms, a scheme of evaluation with answer key for internal assessment tests as illustrated in Figure



Teaching and Learning Methods 2020-21(Odd Semester)

Regular Theory and Practical Classes conducted via Online teaching platforms like Google meet (automatic attendance provision) For practical classes Virtual Labs conducted from IITs site. Asked the students to give presentation about each experiments Conducted virtual lab via Google meet also. Assessments conducted via CANVAS (MCQ)

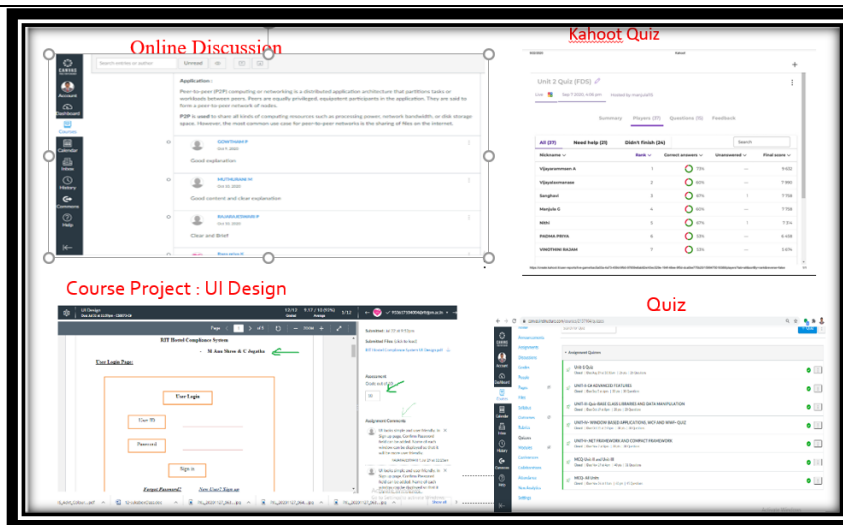
Guidelines for Handling online class

- Strictly adhere the timing and schedule for online class
- Record the online class
- Conduct online assessment regularly
- Upload all the learning material in the LMS for ready reference by the student
- Use active learning activities for ensuring effectiveness of learning

Innovative Practices followed for the academic year 2020-2021(Odd Semester)

Innovative practice in delivery methods
Online Discussion

Course Project
Seminar
Quiz on Mentimeter
Usage of Algorithm visualization tool, Visualgo tool
Kahoot quiz
Crossword Puzzle
Word Cloud using Mentimeter
Open ended Questions- using Mentimeter
Virtual lab – Topology design



Gallery of Instructional Delivery Methods

Online Feedback System:

- Software has been developed indigenously by the institute to receive automated, transparent feedback about the teaching-learning process followed by faculty members from all the students.
- A feedback is collected about the faculty member from all the students about the teaching-learning process through online system after Internal Assessment Test – I.
- The parameters are broadly classified into three categories which are aggregated to 100 marks as listed below.
 - **Teaching Effectiveness (40 marks)**

1. Level of preparedness
 2. Classroom delivery
 3. Use of training aids
 4. Syllabus coverage, teaching content beyond syllabus, guiding students in curricular and co-curricular activities
- **Maturity Level (30 marks)**
 5. Ease of maintenance of order/ Class control
 6. Involvement in Internal Assessment
 7. Intellectual stature
 - **Others (30 marks)**
 8. Integrity (honesty) and Impartiality
 9. Fairness and just
 10. Time Management

RAMCO INSTITUTE OF TECHNOLOGY										
STUDENTS FEEDBACK										
Academic Year: 2020-2021(odd Semester)										
Name of the Subject:CS8392 - Object Oriented Programming										
Name of the Faculty:NITHYA N										
Year/Semester:II / III - CSE										
Sl.No	Name of the student / Roll No. (optional)	Teaching Effectiveness(40)				Maturity Level (30)				Total (100)
		Level of preparedness (whether adequately prepared for class or not) (10)	Classroom delivery - whether by reading or interactive communication (use of analogies, examples) (10)	Use of training aids like models, charts, video, animated graphics, presentations, effective board work, etc. (10)	Syllabus coverage, teaching content beyond syllabus, guiding students in curricular and co-curricular activities (10)	Ease of maintenance of order/ Class control (without threatening or punishment) (10)	Involvement in Internal Assessment (fair/partial, whether casual or involved fully in marking with corrective remarks) (10)	Intellectual stature (commands respect of students by intellectual and maturity levels) (10)	Integrity (honesty) and Impartiality (10) Fairness and just (10) Time Management (10)	
1		10	10	10	10	10	10	10	30	100
2		10	10	10	8	10	8	9	26	91
3		9	9	9	9	8	8	9	26	87
4		10	8	8	9	9	9	8	25	86
5		10	10	10	9	9	9	10	30	97

Individual details of student's feedback

RAMCO INSTITUTE OF TECHNOLOGY
CONSOLIDATED DETAILS OF STUDENTS FEEDBACK

Academic Year: 2020-2021(odd Semester)
Department of CSE

Year/Semester: II / III - CSE

Sl.No	Name of the subject	Faculty handled	Teaching Effectiveness(40)				Maturity Level (30)				Total (100)
			Level of preparedness (whether adequately prepared for class or not) (10)	Classroom delivery - whether by reading or interactive communication (use of analogies, examples) (10)	Use of training aids like models, charts, video, animated computer graphics, presentations, effective board work, etc. (10)	Syllabus coverage, teaching content beyond syllabus, guiding students in curricular and co-curricular activities (10)	Ease of maintenance of order/ Class control (without threatening or punishment) (10)	Involvement in Internal Assessment (fair/partial, whether casual or involved fully in marking with corrective remarks) (10)	Intellectual stature (commands respect of students by Intellectual and maturity levels) (10)	Integrity (honesty) and Impartiality (10) Fairness and Just (10) Time Management (10)	
1	MA8351 - Discrete Mathematics	SATHIKALA L	9.18	9.22	9.15	9.24	9.25	9.24	9.2	9.25	92.23
2	CS8351 - Digital Principles and System Design	RAGAVAN K	9.2	9.13	9.09	9.16	9.16	9.09	9.2	9.27	91.83
3	CS8391 - Data Structures	VIJAYALAKSHMI K	9.11	9.16	9.02	9.18	8.98	9.2	8.96	9.1	90.92
4	CS8392 - Object Oriented Programming	NITHYA N	9.27	9.35	9.33	9.18	9.24	9.25	9.35	9.25	92.73
5	EC8395 - Communication Engineering	GUNASEKARAN P	9.53	9.55	9.58	9.49	9.69	9.56	9.47	9.54	95.49

Consolidated details of students feedback

Student's Enhancement: The Internship, In-plant Training Value Added Courses Online Certification course and GATE Coaching can make student Enhancement

Schemes	2019-2020	2020-2021 <i>*(till now)</i>
Internship	32 <i>(18 companies)</i>	9 + 13 (in progress)
In-plant Training	60 <i>(10 companies)</i>	-
Value Added Courses	112 <i>(7 VAC)</i>	102 (in progress)
Online Certification course	94 <i>(81 courses)</i>	133 <i>(112 courses)</i>
GATE Coaching	-	11

Name of the Courses	Number of Participants	Year of study
IUCEE Course on Artificial Intelligence for Everyone	5	II
ICTACT Sales Force Program	20	IV
IUCEE Course on Entrepreneurship Education	4	III

Impact of Teaching Learning Process




Siva Ranjini R
CSE

Internship:

- Underwent An Internship On “Java In Real Hand Experience”, In “Silicon Software Services”.
- Underwent Training On “Iot”, In “Greens Technology”, Chennai.

Inplant Training

- Attended Inplant Training In “Oneyes Technology” On “Web Development”, Chennai.
- Attended Inplant Training In “Codebind Technology” On “Cloud Computing”, Chennai.

Workshop Attended:

- “Python Programming” Conducted By ”Enggforum” ,Mit, Chennai.
- “Iot Using Arduino” Conducted By ”Top Engineers” ,Mit, Chennai.

Certification Course

- Java In Internshala
- Web Development In Internshala.
- HAnd CSS
- Arduino Programming

**In-Plant Training**

- Underwent training on “Special In-plant on IP Networking and Cybersecurity” at Regional Telecom Training Center BSNL, Chennai in June 2019.
- - Underwent virtual Short term training program on Cybersecurity conducted by We Are Plymouths’ in July 2020.

Workshop Attended

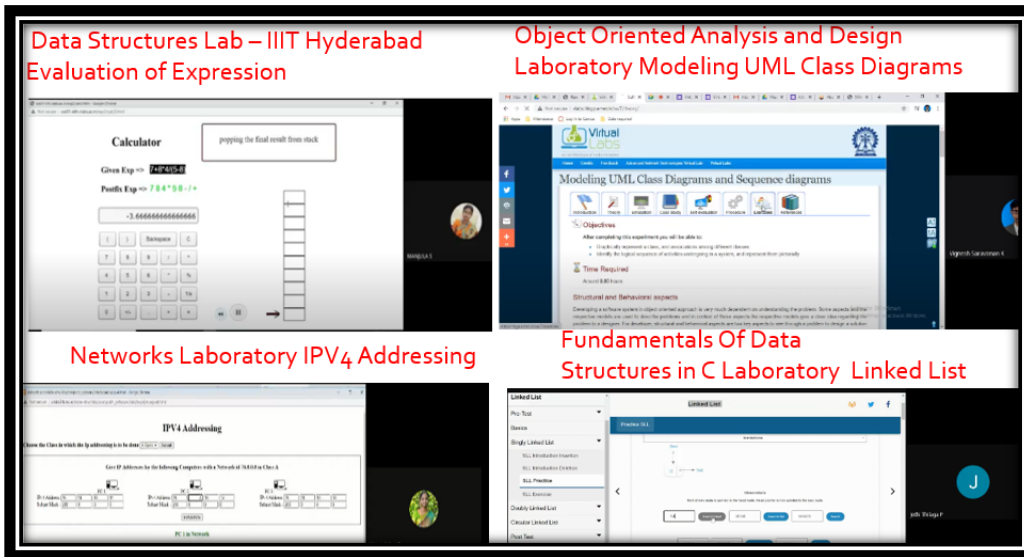
- Digital Forensics - One Day Workshop Conducted By Mr. M.Ashok Kumar From Amrita Viswavidyapeetham, Coimbatore.
- Network Protocols - One Day Workshop Conducted By Sri Ramkrishna Engineering College, Coimbatore.
- Blockchain - Two Days’ Workshop Conducted By GeeksLab In Ramco Institute Of Technology

Virtual Lab Usage

Virtual Labs will be made more effective and realistic by providing additional inputs to the students like accompanying audio and video streaming of an actual lab experiment. is an on-screen simulator or calculator that helps test ideas and observe result. And learners use advanced technology to perform a series of experiments that yield authentic results.

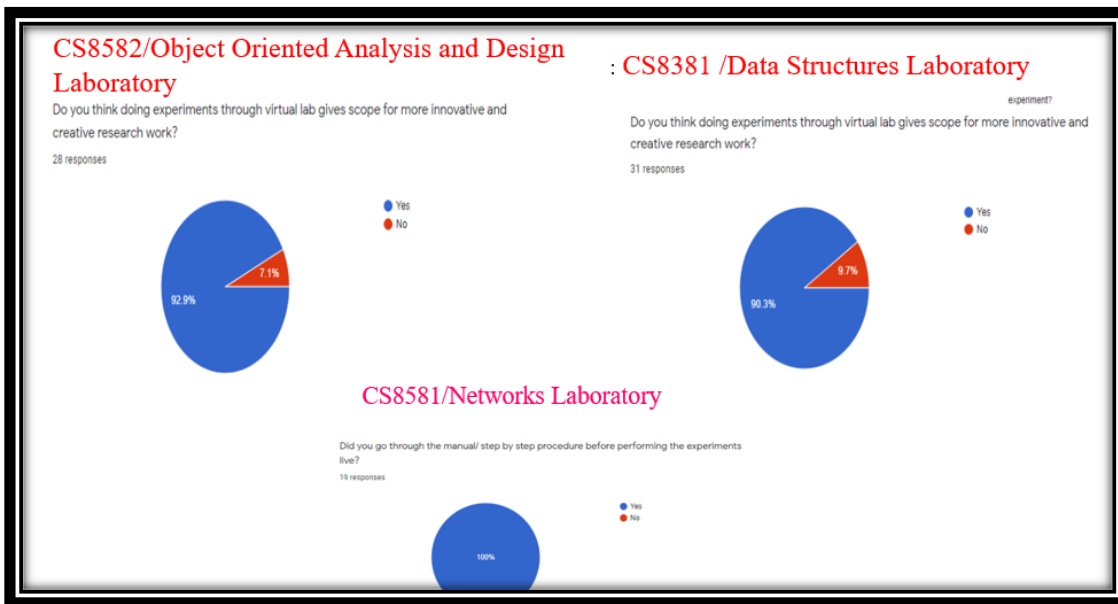
S. No.	Name of the Faculty Who conducted the Training	No.of Experiments Covered	Name of the experiments and contributing Institute
1.	Mrs.B.Vijayalakshmi, Assistant Professor (Sr.Gr), Department of CSE, Ramco Institute of Technology, Rajapalayam.	05	Data Structures - IIIT Hyderabad 1. Sorting using Arrays 2. Spanning Trees in Graphs – algorithms Computer Graphics Lab - IIIT Hyderabad 3. Transformations: Translation 4. Transformations: Rotation 5. Transformations: Scaling
2.	Mrs.B.Vijayalakshmi, Assistant Professor (Sr.Gr), Department of CSE, Ramco Institute of Technology, Rajapalayam.	04	Data Structures – 1 - IIIT Hyderabad 1. Sorting - Quick Sort 2. Searching – Unsorted Arrays 3. Stacks and Queues 4. Infix/Postfix
3.	Mr.K.Vignesh Saravanan, Assistant Professor, Department of CSE, Ramco Institute of Technology, Rajapalayam.	06	Software Engineering Virtual Lab – IIT Kharagpur 1. Identifying the Requirements from Problem Statements Computer Programming Lab – IIIT Hyderabad 2. Arrays – 1D 3. Basic Control Flow Basics of HTML – IIT Delhi 4. Introduction to HTML 5. Applying Attributes in HTML Tags 6. Inserting Images through img Tag
4.	Mr.K.Vignesh Saravanan, Assistant Professor, Department of CSE, Ramco Institute of Technology, Rajapalayam.	03	Software Engineering Virtual Lab – IIT Kharagpur 1. Identifying Domain Classes from the Problem Statements Computer Programming Lab – IIIT Hyderabad 2. Advanced Control Flow Basics of HTML – IIT Delhi 3. How <table> Tag works in HTML
5.	Mr.C.A.Yogaraja, Assistant Professor, Department of CSE, Ramco Institute of Technology, Rajapalayam.	01	Cryptography Lab – IIIT Hyderabad 1. Breaking the Shift Cipher
6.	Mr.C.A.Yogaraja,	02	Cryptography Lab – IIIT Hyderabad

	Assistant Professor, Department of CSE, Ramco Institute of Technology, Rajapalayam.		1. Symmetric Key Encryption Standards (DES) 2. Diffie-Hellman Key Establishment
7.	Dr.K.Vijayalakshmi, Prof & Head, Department of CSE, Ramco Institute of Technology, Rajapalayam. & Mrs.B.Vijayalakshmi, Assistant Professor (Sr.Gr), Department of CSE, Ramco Institute of Technology, Rajapalayam.	02	Data Structures –I (New) Lab 1. Tree traversal 2. Bubble sort
8.	Mrs.M.Swarna Sudha, Assistant Professor (Sr.Gr), Department of CSE, Ramco Institute of Technology, Rajapalayam.	01	Fundamentals of Computer Networks Virtual Lab 1. Network Topology- Star Topology
9.	Mrs.B.Vijayalakshmi, Assistant Professor (Sr.Gr), Department of CSE, Ramco Institute of Technology, Rajapalayam.	01	Computer Networks Virtual Lab 1. IPV4 Addressing
10.	Mrs.S.Manjula, Assistant Professor, Department of CSE, Ramco Institute of Technology, Rajapalayam.	01	Data Structures Lab – IIIT Hyderabad 1. Evaluation of Expression
11.	Ms.P.Jothi Thilaga, Assistant Professor, Department of CSE, Ramco Institute of Technology, Rajapalayam.	01	Data Structures – 1 - IIIT Hyderabad 1. Linked List
12.	Mr.D.Lakshmanan, Assistant Professor (Sr.Gr), Department of CSE, Ramco Institute of Technology, Rajapalayam.	01	Computer Programming Lab 1. Multi-dimensional arrays
13.	Mr.K.Vignesh Saravanan, Assistant Professor, Department of CSE, Ramco Institute of Technology, Rajapalayam.	02	Software Engineering Virtual Lab – IIT Kharagpur 1. Modeling UML Class Diagrams and Sequence diagrams 2. Modeling UML Use Case Diagrams and Capturing Use Case Scenarios



Gallery of VLAB Activity

Feedback -Virtual Lab Usage



Impact -Virtual Lab Usage

With Suggestion from PALS Experts we are planning to establish the Virtual laboratory for Course in the Department

Counseling and Mentor

- The Mentor establishes a close relationship with each student and follows their academic progress on a regular basis.
- Mentors meet their respective students; record their details like participation in Co-curricular/Extra-curricular activities in the student mentor Book.
- After each assessment, the identified slow learners are counseled by the Mentors, Class Advisors and the Head of Department.


RAMCO INSTITUTE OF TECHNOLOGY
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
ACADEMIC YEAR 2020-21 (Odd Semester)
STUDENT MENTOR SYSTEM

Sl.No.	Year	Total No. of Students	Name of the Class Advisor	Name of the Mentor
1.	I	60	Mr.R.Venkatesh	<ul style="list-style-type: none"> • Mr.R.Venkatesh • Mr.D.Lakshmanan • New Faculty Member
2.	II	55	Mrs.M.Swaran Sudha	<ul style="list-style-type: none"> • Mrs.M.Swaran Sudha • Mrs. N.Nithya • Mr.C.A.Yogaraja
3.	III	49	Mrs.B.Vijayalakshmi	<ul style="list-style-type: none"> • Mrs.B.Vijayalakshmi • Mr.M.Gomathy Nayagam • Mr.K.Vignesh Saravanan
4.	IV	53	Mrs.S.Manjula	<ul style="list-style-type: none"> • Mrs.S.Manjula • Mrs.V.Anusuya • Ms.P.Jothithilaga

[Signature]
Principal

[Signature]
HOD 24/12/2020

RAMCO INSTITUTE OF TECHNOLOGY
(Approved by AICTE, Affiliated to Anna University, Chennai)
 Krishnapuram, Pancharatnam, North Vengaloor Village, Rajapalayam - 626 117.
 Phone: 04503 235 400, e-mail: info@ramco.ac.in, www.ramco.ac.in



Application No.:
2020

Admission Type:
MID

All Parent's Care

GUARDIAN

Application Form 2018 - 2019

VINCHINA, DISTRICT

(1) Name (Mr / Mrs / Miss) VINCHINA, DISTRICT
(In Block letters with initials at the end)

(2) Father / Mother Name: K. SURESH K. R.
(In Block letters with initials)

(3) Sex: Male / Female

(4) (a) Date of Birth: 11/05/2000
(As per SSLC or its equivalent cert card)
 (b) Age as on 01.07.2018: 18

(5) (a) Nationality: Indian / Others
 (b) Religion: Hindu / Muslim / Christian
 (c) Community: OC / BC / BSM / MBC /
 BMC / SC / ST / SCA (Bak)

(6) Caste: RAJANARAYAN PERIYALAR
(a) Name of the Caste as in Certificate
 (b) Other Caste: _____

(7) Mother Tongue: Tamil / Telugu / Kannada /
 Malayalam / Hindi

(8) Parent Contact No. 9874136866
Landline: _____ Mobile: _____

(9) Counseling Application Number: _____

(10) Counseling Rank: _____

(11) Cut-off Marks (out of 200) / Percentage
For Lateral Entry: 14.5 - 15

(12) Whether First Graduate? Yes / No

(13) If assistance occur previously? Yes / No
Provided by: Father / Mother / Guardian

(14) Name of the Parent / Guardian and Address: (IN BLOCK LETTERS)

Parent's Address	Communication Address
Name: <u>K. SURESH K. R.</u> Address: <u>2020/2018, CHENNAI</u> Location: <u>CHENNAI</u> District: <u>CHENNAI</u> State: <u>TAMIL NADU</u> Pin code: <u>600024</u>	Location: _____ District: _____ State: _____ Pin code: _____

Names of the student :- Bhazathy, J.
 Date of Counseling: 25/12/19
 Ask her about the Internship.
 → Advise - Previous semester. Cryptography.
 Advise her to study well, Also told her
 to review detail about the previous i.e
 School Marks And explain her How the
 gradually her academic is reduced.
 → Discuss about the Internal test mark
 Told her to increase and also told
 not fail any subject. J.S.R. 25/12/19

Date of Counseling: 21/12/19 J.S.R. 21/12/19
 → Advise her to consults on studies. I
 made point that the forming group has
 to be positive at improvement must be the
 → Advise her about the Internal test mark
 Advise her to consults & do the Project
 well. J.S.R. 21/12/19

All the faculty conduct the mentor meeting every Sunday to know progress of the students .

Points discussed

- Welcomed the students for the first mentor meeting and also informed about the purpose of meeting.
- Appreciated the students for doing online Course and also insisted others the students to also to do online course (Abhinav. Aswinkumar Dharini Lavanyadevi)
- Asked students to practice the programming concepts through online .
- Enquired about the coverage of syllabus and the understanding level of students in each subjects
- Advised the students to do take class notes in all subject and made them to understand importance of taking notes.
- Verified the notes Jayarani R (DPSD) and Swathika B(Maths),
- Advised the students to do hard work and motivated them to them to attained the online class effectively.
- Insisted the students to give more importance to tutorials and assignments.
- Advised the students to do Ebox and insisted them to allot the time for EBox online course every day.
- Asked the students to do online course and advised them to submit the online course progress every three days once and told the importance of online course.
- Individually asked each student the daily work and students freely express the views about the online class.

Outcomes of mentoring



Sl.No	Name of the Institute	Name of the course completed
1	ARUNACHAL	Linux, Embedded Design, Clouding, Linux Platform, Android, Java, Kotlin, Kotlin, Kotlin, Kotlin
2	ABHIRAM	Linux, Embedded Design, Clouding, Linux Platform, Android, Java, Kotlin, Kotlin, Kotlin, Kotlin
3	ADITHYAN	AI to Robotics
4	ADITHYAN	AI to Robotics
5	ADITHYAN	AI to Robotics
6	ADITHYAN	AI to Robotics
7	ADITHYAN	AI to Robotics
8	ADITHYAN	AI to Robotics
9	ADITHYAN	AI to Robotics
10	ADITHYAN	AI to Robotics
11	ADITHYAN	AI to Robotics
12	ADITHYAN	AI to Robotics
13	ADITHYAN	AI to Robotics
14	ADITHYAN	AI to Robotics
15	ADITHYAN	AI to Robotics
16	ADITHYAN	AI to Robotics
17	ADITHYAN	AI to Robotics
18	ADITHYAN	AI to Robotics
19	ADITHYAN	AI to Robotics
20	ADITHYAN	AI to Robotics



Alumni Interaction:

Year	Name of the Alumni	Date	Topic Interacted
2020-2021	Ms A.Monisha and M.Selvananthinini Graduate Engineering Trainee Ramco Cements ,Chennai (Batch 2015)	31.05.2020	Academic(Theory)Vs Industry (Practical)
	Mr.Srikanth Srinivasan Analyst Programmer (Tech) and Mr.P.Muthu RamaswamyAnalyst Programmer (HCM) Ramco Systems Chennai (Batch 2015)	06.06.2020	Tricks for Industry Placement
	Ms.R.Gowsalya ssistant System Engineer Tata Consultancy Services(TCS) Cochin and Ms.P.Magesh Assistant System Engineer Tata Consultancy Services(TCS) Chennai (Batch 2015)	21.06.2020	Tricks to Tackle TCS
	Ms. Asmitha Ravikumar Associate Techninical Consultant Vuram Technology (Batch 2014)	23.08.2020	Strategy to get a succesfully Professional Career
	Ms. Gowsalay and Ms. Magnesh Assistant Systems Engineer Tata Constancy Services (TCS) of 2015 batch and Ms. Harimin S.R, Vijaya Malini, Ms. Dhanaya V and Ms. Nivetha V of 2016 batch	21.10.2020	How to tackle the TCS interview
	Mr.K.M Esver Alumni of 2014 batch Technical staff of Zoho corporation	11.10.2020	Designing Software Application using object oriented Paradigm

Outcomes- Alumni Interaction



- Arranged the Alumni talk to create awareness the about the company profile and job requirement
- Ms.Asmitha RaviKumar,, Vuram Technology Solution created awareness about the company profile 23.08.2020
- Jegatha C and Vaishnavidevi A J selected in Vuram Technology solution



Arranged the Alumni talk to know about the interview preparation for Centizen placement on 29.08.2020
 Mr.D.Prasanna Kumar and Ms.K.Ragapriya has been selected

3.1 Program Curriculum gab and Feedback from stakeholders

Presenter: Ms.P.Jothi Thilaga

Stakeholder	Suggested Topic	Frequency of Feedback
Alumni	IOT, Raspberry Pi Frameworks	Collected through ERP from every batch
	iOS App Development	At DAC Meeting
Computer Security Certification		
Machine Learning Algorithms		
Web Designing and Hosting		
DAC Members (DAC Meeting - I)	Cloud Computing Platform	

Teaching and Learning Process & Student Support Systems by Ms.P.Jothi Thilaga

Initially the presentation started with the process of identification of curriculum gap. The curriculum gap can be identified using four different factors, such as,

- Comparison of Anna University Curriculum with AICTE Curriculum.
- Mapping of COs with POs and PSOs for both Anna University Regulation 2013 and 2017.
- Feedbacks from Internal and External Stakeholders – Alumni, Students, Parents, Industry Experts, Academician, Employers and Recruiters.
- Feedbacks from DAC Members.

Suggestions/Feedbacks were collected from each stakeholder periodically for the improvement of curriculum, placements, and extra-curricular activities.

From this analysis, the gap is identified in PO6, PO7, PO9 and PO11. To overcome these identified gaps, various content beyond syllabus activities were conducted. The content beyond activities includes, Guest Lectures, Workshops/Hands-on, Additional course contents covered for Theory and Practical, Value Added courses, Online Courses, Audit Course, Placement Training, Co-curricular & Extra-curricular Activities through Professional bodies, Chapters & Clubs, Industrial Visits and In-plant Trainings

The list of suggestions from various stake holders and the measures taken were mentioned in the below table.

Stake Holders	Feedbacks / Suggestions	Action Taken	Impact / Outcomes
Industry Experts	Data Analytics	Webinar on “Opportunities for Fresher in the Data Analytics Industry”	<ul style="list-style-type: none"> 1 student got placed in Ramco Systems
	Data Structures and Algorithms	Workshop on Advanced Data Structures	<ul style="list-style-type: none"> Impact on Students preparing for Data pattern placement drive 2 students got placed in Vuram Technology Solution and 1 student got placed in EmbedUR Systems
	Blockchain	Workshop on Blockchain Technology	<ul style="list-style-type: none"> 1 student did project in blockchain domain
Students	Training on Programming languages	Certificate course on problem solving using C	<ul style="list-style-type: none"> 7 students cleared round 1 in TCS
	Aptitude Training	Aptitude and Verbal Training for TCS	<ul style="list-style-type: none"> 7 students cleared round 1 and going to attend Technical round
Alumni	Frameworks	Workshop on “Building Web APIs using Django framework”	<ul style="list-style-type: none"> Students done projects using Django framework
	IOT, Raspberry Pi	Value added course on “Embedded C with RTOS and IoT”	<ul style="list-style-type: none"> 3 students did projects in IoT Patent & conference publication
Employers/ Recruiters	Placement activities	Aptitude and Verbal Training for TCS	<ul style="list-style-type: none"> 7 students cleared round 1 and going to attend Technical round
	Theoretical concepts of Database languages	Training class on “DBMS and SQL Queries”	<ul style="list-style-type: none"> 1 student got placed in Ramco Mills
DAC Members	iOS App Development	Value Added Course on “iOS App development”	<ul style="list-style-type: none"> Final Year Students have done 4 different projects using iOS Conference Publications

	Computer Security Certification	Certification Programme on “Certified Secure Computer User”	<ul style="list-style-type: none"> • 3 students got CSCU Certification with good grade • 2 students did project in security domain • conference publication • 1 student got internship
	Machine Learning Algorithms	Workshop on “NVIDIA GPU, Kubernetes and Machine Learning Frameworks”	<ul style="list-style-type: none"> • 4 students did projects in Machine Learning domain • 2 students undergone internship
	Web Designing and Hosting	Value Added Course on “Web Designing & Hosting”	<ul style="list-style-type: none"> • Students did projects in PHP and participate in various web designing events
	Cloud Computing Platform	Guest Lecture on “Cloud Computing Platform- OpenNebula”	<ul style="list-style-type: none"> • 2 Students did projects in cloud computing domain • 100% result in cloud computing subject

In addition to that DAC members gave few suggestions (in DAC meeting II) which includes,

- Final year project to patent
- Final year project to journal publications

Based on the feedback given, two final year projects are converted to patent and 4 papers were published in journals. The details are given below:

PATENTS

Application No/type	Title	Inventors	Date of Filing application	Status
Application no: 10-2020-0099721, Patent office number: P20187 International patent: Korean patent	Drone detection apparatus and method using deep learning	Mi Young Lee, M.Kaliappan, S.Vimal, K.Vijayalakshmi, S.Manikandan	10.08.2020	Filed

National Patent	Deep Learning Based Yoga Pose Assessment System	Dr.L.Ganesan, Dr.K.Vijayalakshmi, Dr.M.Kaliappan, Mr.R.Venkatesh, Mr.K.Vignesh Saravanan, Kata Bharat	23.10.2020	Filed
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JOURNAL PUBLICATIONS

- M.Gomathy Nayagam, P.Amirtha, Dr.K.Ramar and Dr.K.Vijayalakshmi published a paper “Tomato Plant Disease Detection Based on Convolution Neural Network with Data Augmentation”, Journal of Critical Reviews, Vol. 7, No.14, pp. 1921 – 1929, July 2020. ISSN- 2394-5125 (Scopus Indexed)
- M.Gomathy Nayagam, K.Srinithisivasankari, Dr.K.Ramar and Dr.K.Vijayalakshmi published a paper “A Study of CNN Based Brain Tumor Detection Using Deep Learning”, Journal of Critical Reviews, Vol. 7, No. 14, pp. 1930 – 1937, July 2020. ISSN- 2394-5125 (Scopus Indexed)
- M. Kaliappan, A.Niranjana Devi, R.Sandhiya, D.Lakshmanan, S.Selvakumari, “Water Tank Monitoring and Flame Detection Application Using LORA”, Journal of Green Engineering, vol.10, no.9, pp. 5748–5762, October 2020. ISSN: 1904-4720, (Scopus Indexed)
- M.Swarna Sudha, K.Valarmathi, U.Keerthana, “Machine Learning Approach for Sustainable Safeguarding Electronic Patient Record”, Journal of Green Engineering, vol.10, no.10, pp. 9763-9778, November 2020 ISSN: 1904-4720, (Scopus Indexed)

Suggestions given by the DAC Members:

- More to concentrate on Testing, Agile SD model, GO, Rust Programming language, AngularJS and ReactJS.
- Suggested to do server less projects.
- Final projects to products.
- Student projects in github

Glimpse of the Feedbacks

RAMCO INSTITUTE OF TECHNOLOGY
Department of Computer Science and Engineering
Academic Year 2020 – 2021
Student Academic/Placement Feedback

Name of the student: C.JEGATHA Date: 02.07.2020
Reg. No. of the student: 953617104015
Year & Section: IV CSE

Sl. No.	Description	Comments (Yes/No)	Specify the Courses/ Topics / Language
1.	Academic Training	No	-
2.	Placement Training	Yes	Need training on C programming, TCS Preparation Training
3.	Carrier Guidance	No	GATE/ CAT/ TOFEL/ Foreign Languages/ Others
4.	Professional/ Skill Development	No	-
5.	Any Other	Yes	Training or Guest lecture needed on Artificial Intelligence and Machine Learning

C.Jegatha
Signature of the student

RAMCO INSTITUTE OF TECHNOLOGY
Department of Computer Science and Engineering
Academic Year 2020 – 2021
Student Academic/Placement Feedback

Name of the student: S.Vasuki Date: 02-07-2020
Reg. No. of the student: 953617104053
Year & Section: IV

Sl. No.	Description	Comments (Yes/No)	Specify the Courses/ Topics / Language
1.	Academic Training	No	-
2.	Placement Training	Yes	Required a class to brush up basic topics like Data Structures, OOPS, DBMS, Networking
3.	Carrier Guidance	No	GATE/ CAT/ TOFEL/ Foreign Languages/ Others
4.	Professional/ Skill Development	Yes	Needed group discussion session and mock interview to face the interviews.
5.	Any Other	-	Required guest lectures on IoT for improving my knowledge and doing my final year projects.

S.Vasuki
Signature of the student

Contact No.: E-mail:

Sl.No.	Description	1 2 3 4 5				
		Low				High
1.	Students' Technical competence		X			
2.	Students' resumes			X		
3.	Students' communication skills		X			
4.	Students awareness about the company profile and job requirement			X		
5.	Students Interactions and Response				X	
6.	Students Dress Code and Etiquette				X	
7.	Students Reporting and Adherence to Schedule			X		
8.	Overall preparedness of the students		X			
9.	Faculty/Department Cooperation					
10.	Availability of Infrastructure facilities for placement					

Valuable Suggestions

- What courses/workshops would you recommend for our students to improve their technical competency?
Can start practising competitive programming in online coding websites like Hackerrank, Hackerearth, Codechef, etc.

Need to brush up basic theoretical concepts in Database languages

- 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?
Can involve the students in Online Competitive Programming Contests conducted by various Coding websites
- Any other comments:
Need to be given an overview of Do's and Don'ts in a Group Discussion

Date: _____
Place: _____ Name & Signature of the Recruiter: _____

RAMCO INSTITUTE OF TECHNOLOGY
Department of Computer Science and Engineering
RESOURCE PERSON FEEDBACK FORM

Name: Sathish S
Designation: Product Engineer
Address: Amphisoft Technologies, Put 11d, Bangalore.

Resource Person: Academician Industry

- How do you rate quality of Academics of the department
 Excellent Good Satisfactory
- Infrastructure facilities like Computer Labs, Class rooms, and other campus facilities
 Excellent Good Satisfactory
- Quality of Academic resources namely faculties, staff and additional facilities
 Excellent Good Satisfactory
- Encouragement to students for participation in various Internship/IV/Extra and Co-curricular activities
 Excellent Good Satisfactory
- Curriculum is based on the needs of the stakeholders
 Excellent Good Satisfactory
- If any other feedback that you would like to give
Students needs practical knowledge in data structures
Better to keep training in data structure
Blockchain is the emerging tech in industry. Conducting a blockchain enablement program makes student aware about the blockchain technology.
Date: 02/07/2020
Scanned with CamScanner
Signature: Sathish S

1196220 RECRUITER FEEDBACK FORM

Please fill the details.

Q1. What courses / workshop would you recommend for our students to improve their technical competency? *
* Basic Web Development using HTML & CSS
* Javascript
* Coding practice for solving various logical questions (not for the traditional questions like Prime number, armstrong number). Example: in the given 4 digits, find the largest hour of the day that can be shown. Input: 3, 2, 5, 9 Output: 23:59

Q2. 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? *
In Web Technology, instead of PHP the students can focus more on MEAN / MERN stack.
MongoDB
ExpressJS
Angular / React JS
NodeJS
& also Javascript, as the Javascript is the backbone in today's most of the web development frameworks.

Q3. Any other comments? *
The students have prepared well yet there was slight hesitation/fear. May be it is new for them to attend the interview virtually. That can be improved.
Apart from that, during the technical discussion, for some questions, few students have directly told that they are not aware of the logic. They haven't even tried to split the programs into small pieces and write / try code for those small pieces. As we have already mentioned in our Pre-placement Talk, we don't expect the 100% output. But what we are looking for is, how the candidate approaches the problems and how he reacts and takes the decisions at that particular time. Right or Wrong - doesn't matter , Trying - matters. So those parts can be improved.

This form was created inside of Ramco Institute of Technology.
Google Forms

4. Industry Interaction

Presenter: Ms.N.Nithya

The screenshot shows a Zoom meeting interface. On the left, a presentation slide titled "Student internship and in-plant training 2018-2019 and 2019-2020" is displayed. The slide contains a table with the following data:

	No. of Companies visited		No. of students benefitted	
	2018-2019	2019-2020	2018-2019	2019-2020
In plant Training	9	10	74	60
Internship	7	18	20	32

On the right side of the Zoom window, a list of 12 participants is visible, including siva gtk, sudalai muthu, SwarnaSudha M, THIRURAMANATHAN P, Venkatesh R, Vennila A, Vignesh Saravanan K, Vijayalakshmi B, and Vijayalakshmi K. The bottom of the screenshot shows the Windows taskbar with the time 3:59 PM on 12/4/2020.

Industry Interaction by Ms.N.Nithya

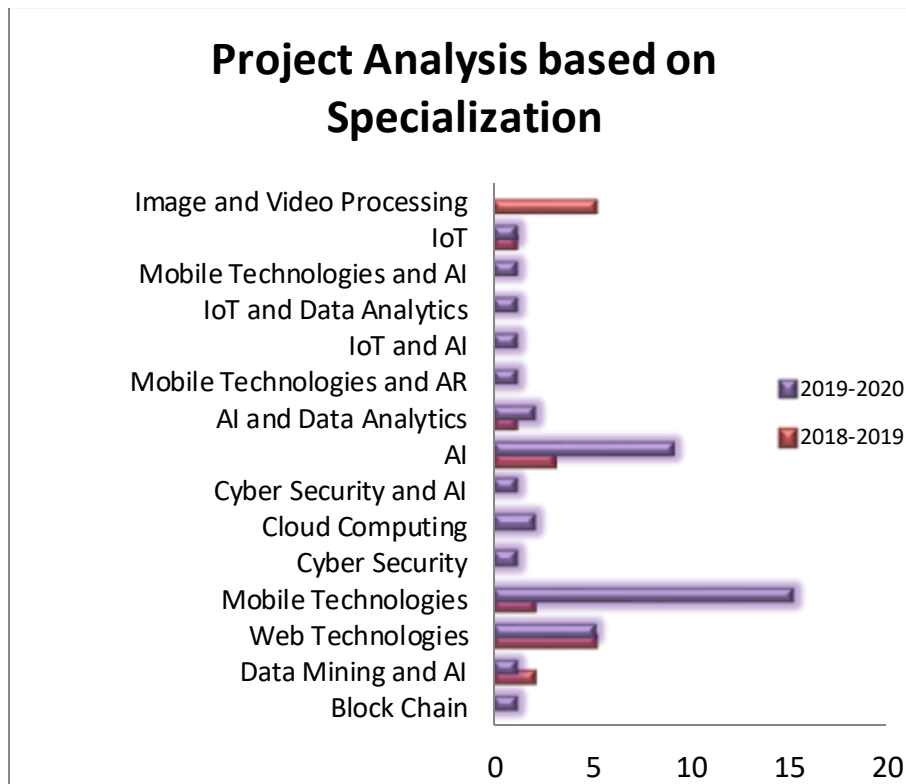
Student Projects, Internship, Industrial Visit, In-plant Training and MoUs

Student Projects:

A comparative analysis of area of students' projects in academic year 2018-2019 and 2019-2020 was presented. Students have done projects in fast growing fields like Block Chain, Cyber Security and AI, Mobile Technologies and AR etc.

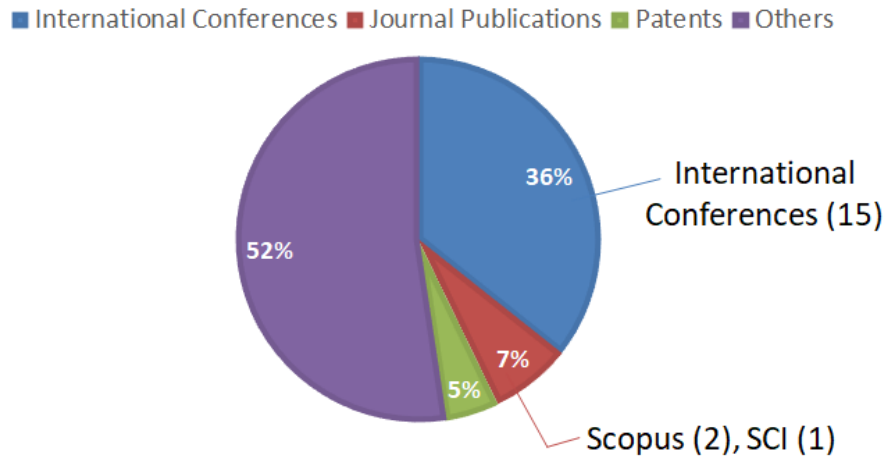
Areas of Project	2018-2019	2019-2020
Block Chain	0	1
Data Mining and AI	2	1
Web Technologies	5	5
Mobile Technologies	2	15
Cyber Security	0	1
Cloud Computing	0	2
Cyber Security and AI	0	1
AI	3	9
AI and Data Analytics	1	2
Mobile Technologies and Augmented Reality	0	1
IoT and AI	0	1
IoT and Data Analytics	0	1
Mobile Technologies and AI	0	1
IoT	1	1
Image and Video Processing	5	0

The students' projects analysis based on specialization in academic year 2018-2019 and 2019-2020 is illustrated in the chart below.



The project outcomes in the academic year 2019-2020 are given below.

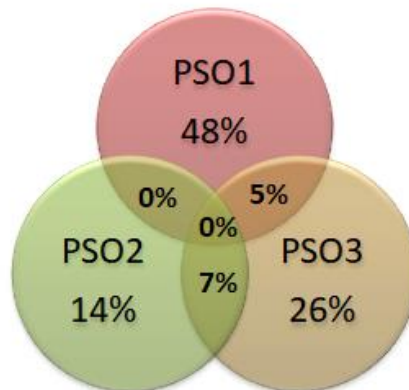
Academic Year 2019 - 2020 PROJECT OUTCOMES



15 papers were presented in International Conferences. 2 SCOPUS indexed and 1 SCI indexed journals were published and two projects were patented.

Project – Program Specific Outcomes Attainment 2019 – 2020

The Program Specific Outcomes Attainment in academic year 2019 – 2020 through projects is illustrated below.

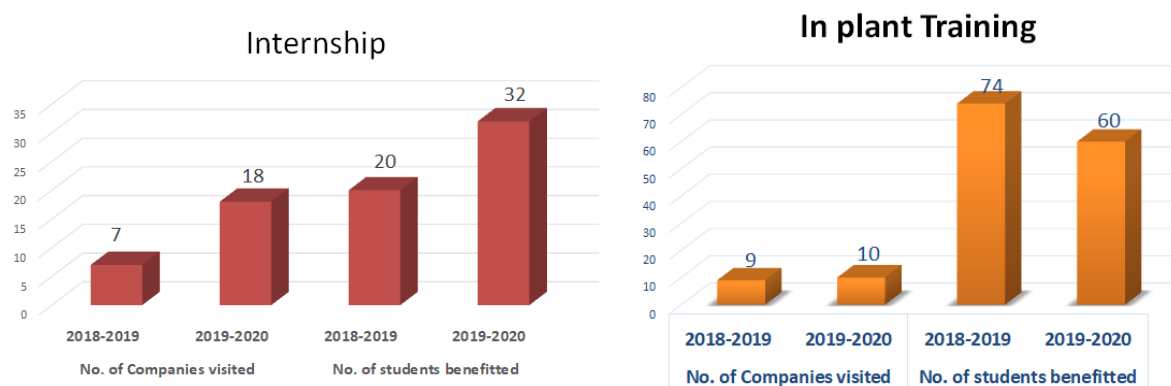


Student Internship and In-plant Training

A comparative analysis of students' participation in internship and inplant training in academic year 2018-2019 and 2019-2020 was presented.

	No. of Companies visited		No. of students benefitted	
	2018-2019	2019-2020	2018-2019	2019-2020
In plant Training	9	10	74	60
Internship	7	18	20	32

The number of companies visited during student internship has improved to 18 companies in academic year 2019-2020 and the number of students benefitted has also improved.



Similarly, the number of companies visited during student inplant training has improved to 10 companies in academic year 2019-2020 but the number of students benefitted in 2019-2020 has declined due to pandemic, students were unable to attend inplant training during May after semester examination.

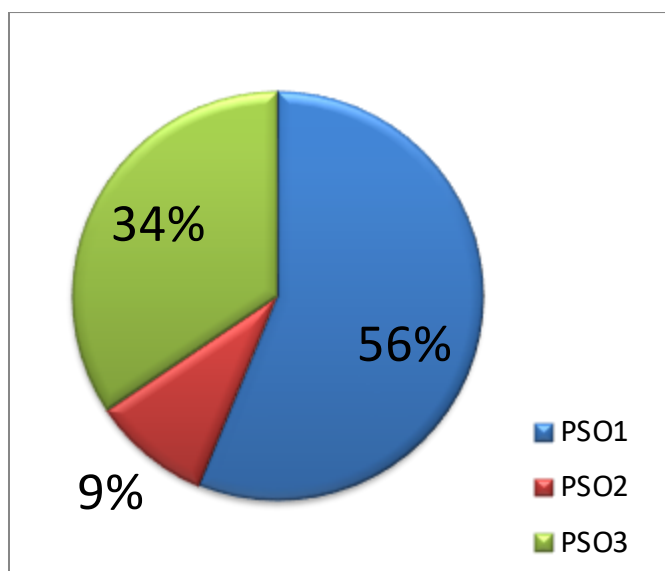
Internship – Mapping Area of Internship to PO and PSO

The student internship in academic year 2020 – 2021 is categorized based on the area of internship

Area of internship	No. of students	PO	PSO
Web Technologies	8	PO1,2,3,4,5,6, 7,8,9,10,11,12	PSO1
Software Development	1		
Mobile Technologies	9		
IoT	1	PO1,2,3,4,5,6 7,8,9,10,11,12	PSO2
Cloud Computing	2		

ML, AI and Data Analytics	10	PO1,2,3,4,5,6 7,8,9,10,11,12	PSO3
Data Mining	1		

Internship – PO/PSO Attainment in 2019-2020



Internship details for academic year 2019 - 2020

S.No.	Year	No. of students attended
1	II	1
2	III	15
3	IV	16
	Total	32

Internship details academic year 2020 – 2021 (odd)

S.No.	Year	No. of students (completed/ in progress)
1	II	5 / 1
2	III	2 / 6
3	IV	2 / 6
	Total	9 / 13

Industrial problems/Internship – Software developed in Industry – Impact (2019 – 2020)

The implementation and impact of internship undergone by students in academic year 2019-2020 is given in the table below.

S.N o.	Name of the Industry	Name of the student	Duration	Implementation and Impact
1.	Crystal Delta	Gowtham Raj P	8 weeks	Solved the industrial problem in UG project and got placed in the same company.
2.	Crystal Delta	Balasaraswathi	8 weeks	Solved the industrial problem in UG project and got placed in the same company.
3.	Geons Logix, Madurai	Vijaya Malini A	8 weeks	Solved the industrial problem in UG project and got placed in Infosys & TCS. Presented paper in international conference
4.	Geons Logix, Madurai	Shrimalavika M	8 weeks	Solved the industrial problem in UG project and got placed in Ramco cements Presented paper in international conference
5.	Geons Logix, Madurai	Shunmugavalli G	8 weeks	Solved the industrial problem in UG project and got placed in Aspire systems Presented paper in international conference

6.	Centizen	Venkatalakshmi M	10 weeks	Solved the industrial problem in UG project and got placed in the same company.
7.	Centizen	Lakshmana Prabhu M	10 weeks	Solved the industrial problem in UG project and got placed in the same company.
8.	Centizen	Santhosh S	10 weeks	Solved the industrial problem in UG project and got placed in the same company.
9.	Sea Sense Software Private Ltd	Athsal Mahiba Joy	4 weeks	Got placed in Buddi Health & TCS Presented paper in international conference
10.	Avail Solutions Private Limited	Renugambal B	8 weeks	Presented paper in international conference

S.No.	Name of the Industry	Name of the student	Duration	Implementation and Impact
11.	ZOHO Corporation	Dhanus Karthikeyan R	10 weeks	Solved the industrial problem in UG project and got placed in the same company.
12.	ZOHO Corporation	Ashok Mani S	10 weeks	Solved the industrial problem in UG project and got placed in the same company.

Internship – Impact (2020 – 2021)

The implementation and impact of internship undergone by students in academic year 2020-2021 is given in the table below.

S.No.	Reg. No.	Name of the Student	Name of the Company	Impact of Internship
1	953617104040	Sathya Prakash K	NVIDIA Bennett Research Centre, Bennett University	Placed in Ramco Systems

2	953617104043	Siva Ranjani	Greens Technology, Chennai	Placed in EmbedUR
3	953617104041	Selva Iswarya R	Uniq technologies	Placed in Ramco Cements
4	953617104028	Pavithra.M	Silicon Software Services	Placed in Ramco Cements
5	953617104034	Raga Priya K	Pantech Solutions, Madurai	Placed in Ramco Cements and Centizen
6	953617104025	Muthulakshmi S	Pantech Solutions, Madurai	Placed in Ramco Cements
7	953617104001	Aishwarya A	Pantech Solutions, Madurai	Placed in Ramco Cements

Industrial Visit

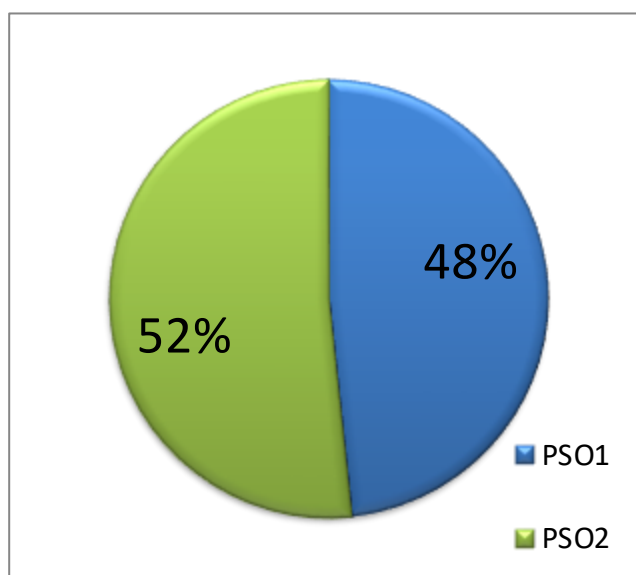
The details of Industrial Visit undergone in 2019-2020 were presented as given below.

Academic Year	Year	Name of the industry	Objectives	Relevant area of training	No of students	Planned/unplanned activity
2019 - 2020	IV year	Spectrum Softtech Solutions (P) Ltd, Kochi	To learn software Testing Methodologies and iOS application development	Software Engineering	42	Planned activity 29.06.2019
	III year	ATS Global Techsoft Pvt Ltd, Bangalore	To implement projects using Java, PHP, J2SE, J2EE, Web Application Development	Web Technologies	46	Planned activity 28.06.2019
	II year	Enthu Technologies Solution India Pvt Ltd, Bangalore	To gain knowledge on products and services	IoT	43	Planned activity 21.06.2019

Inplant Training – Mapping Area of Inplant Training to PO and PSO

Area of inplant Training	No. of students	PO	PSO
Web Technologies	16	PO1,2,3,4,5,6 7,8,9,10,11,12	PSO1
Mobile Technologies	13		
Networking	23	PO1,2,3,4,5,6 7,8,9,10,11,12	PSO2
Networking and Cyber Security	6		
Cloud Computing	2		

Inplant Training – PO/PSO Attainment in 2019-2020



In-plant Training details academic year 2019 – 2020

S.No.	Year	No. of students attended
1	II	42
2	III	18
	Total	60

In-plant Training – Impact - 2019 – 2020

S.No.	Name of the Industry	Name of the student	Duration	Implementation and Impact
1.	BSNL RTTC Chennai - Special inplant Training on IP Networking and Cyber Security (2019 - 2020)	S.Yeshwanthini	2 weeks	Got intern opportunity at Cyber Resilience Internship 2020 (2020 - 2021)
2.		Vaishnavidevi A J		Got placed in Vuram Technology (2020 – 2021)
3.	Rajapalayam Mills Ltd - Web Technologies (2019 - 2020)	Aishwarya A	1 week	Both got placed in Ramco Cements in 2020-2021
4.		Muthulakshmi S		
5.	BSNL, Virudhunagar & Uniq Technologies (2019-2020)	Hemalatha S	1 week	Has received Mitacs Globalink internship interview call in the research team at the École de technologie supérieure, Canada .

MoUs

The 9 number of MoUs signed in 2019-2020 and 2 MoUs are signed till date in 2020-2021.

Details	MoUs signed in 2019 - 2020	MoUs signed in 2020 – 2021 (till Date)
No. of MoUs signed	9	2

MoUs – Impact in 2019-2020

S.No.	Name of the Industry	Activity	Impact
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1.	Ramco Group of Textile Division	IPT on Enterprise Resource Planning (ERP), Automation for students	One student got placed in the academic year 2019-2020
2.	Ramco Cements Ltd., Chennai.	Students IPT on industry know-hows and automation in academic year 2019-2020.	Five no. of students got placed in the academic year 2019-2020
3.	Ramco Systems Ltd., Chennai.	Industrial Visit	Two no. of students got placed in the academic year 2019-2020
4.	Crystal Delta, Ashok Nagar, Chennai	Internship	Two students placed and two students got Internship in 2019-2020.
5.	Geons Logix, Madurai	3 students got Internship in 2019-2020.	Conference publication
6.	Enthu Technology Solutions India Pvt. Ltd, Coimbatore.	Internship and Industrial Visit in 2019-2020	Collaboration partners in 3 project proposals submitted to DST and Journal publication
7.	SS Information system	Workshop on NVIDIA GPU, Kubernetes and Machine Learning Frameworks on 25.07.2019 and 26.07.2019	98% pass percentage in Grid and Cloud computing and 96% pass percentage in SOA
8.	Future Calls Technology Pvt. Ltd	Training on Networking	94% pass percentage in Computer Networks
9.	Bharat Sanchar Nigam Ltd.,	Training Programs – Fibre Termination and Networking Courses, students internship and In-plant training in 2019-20	94% pass percentage in Computer Networks
10.	Ramco Industries Ltd., Chennai.	Student Industrial Visit.	-

5. Course Outcomes and Program Outcomes and Continuous improvement

Presenter: Ms.N.Nithya

The screenshot shows a Zoom meeting interface. On the left, a presentation slide titled "Assessment Methods" is displayed. The slide contains three tables detailing assessment tools, weightage, and frequency for Theory courses, Laboratory Courses, and Project Work. On the right, a list of 22 participants is visible, including siva gtk, sudalai muthu, SwarnaSudha M, THIRURAMANATHAN P, Venkatesh R, Vennila A, Vignesh Saravanan K, Vijayalakshmi B, and Vijayalakshmi K. The meeting controls at the bottom show that Kaliappan M is presenting.

	Assessment Tool	Weightage	Frequency	
Theory courses Assessment	CO Attainment	Continuous Internal Assessment (80%) + IDA(20%)	40%	Every Week
		University Examination	60%	Once in a Semester
Laboratory Courses Assessment	CO Attainment	Continuous Assessment(PVR) (80%) + Model Test (20%)	40%	Every Week
		University Practical Examination	60%	Once in a Semester
Project Work Assessment	Continuous Assessment	Reviews	40%	Every Month
	University Assessment	Viva-Voce	60%	Once in a Semester

Course Outcomes and Program Outcomes & Continuous improvement by
Dr.M.Gomathynayagam

- Explained the various assessment tools used for evaluating the theory, laboratory and project based courses were explained
- Appropriate weightage for each assessment tool were discussed

Assessment Tool - Theory		Weightage	Frequency
CO Attainment	Continuous Internal Assessment (80%) + IDA(20%)	40%	Every Week
	University Examination	60%	Once in a Semester

Assessment Tool - Lab		Weightage	Frequency
CO Attainment	Continuous Internal Assessment (80%) + IDA(20%)	40%	Every Week
	University Examination	60%	Once in a Semester

Assessment Tool - Project		Weightage	Frequency
CO Attainment	Continuous Internal Assessment (80%) + IDA(20%)	40%	Every Week
	University Examination	60%	Once in a Semester

- The procedure for calculating CO attainment for course level were explained

Attainment Level	Target	Continuous Assessment	University Examination
3	80% of the Students scoring	more than or equal to 60% of Marks	more than or equal to 50% of Marks
2	70% of the Students scoring		
1	60% of the Students scoring		

- Overall Course attainment with the help of individual CO corresponding to the Course were explained

$$\text{Overall CO Attainment} = \left(\frac{\sum_{i=1}^n CO_i}{n} \times 0.4 \right) + (UA \times 0.6)$$

where, $n = \text{no. of course outcome.}$

- The target fixation and attainment level were explained.
- Initial target was fixed as 1.6 for theory and 2.5 for laboratory courses. For consecutive batches the best among the Average GPA of previous batches and previous batch target were considered for fixing the target.

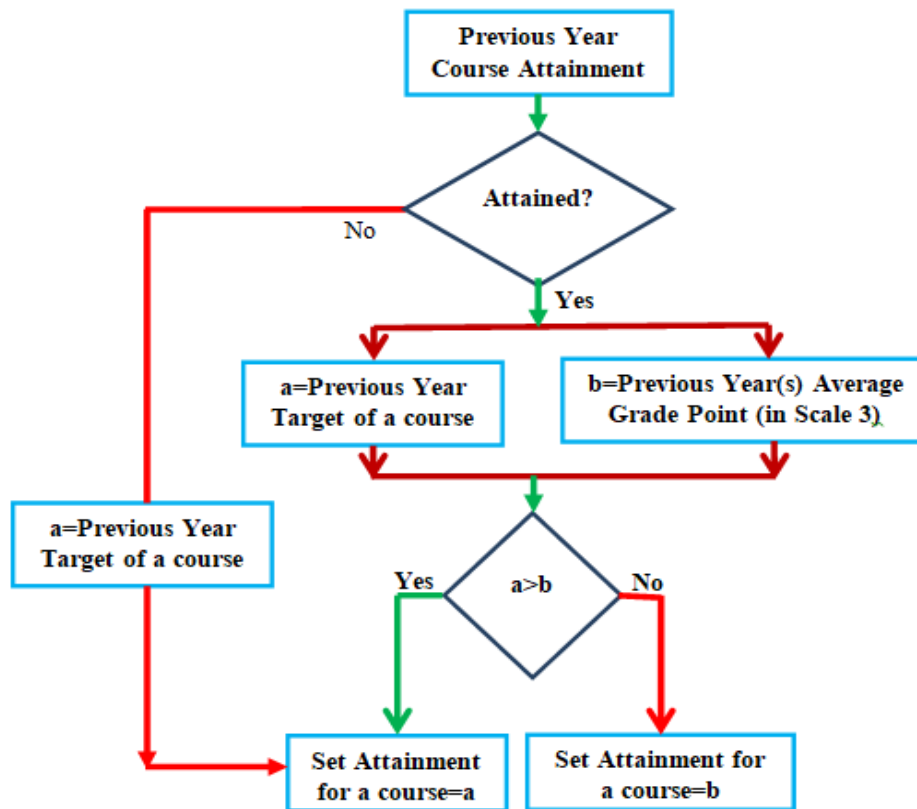


Figure 2.1 Target calculation procedures

➤ CO Attainment value and status of the attainment for the academic year 2019-2020 were presented, the following table shows the class wise details

CODE	TITLE	TARGET	ATTAINMENT	STATUS
Fourth Year				
CS6701	Cryptography and Network Security	1.83	2.28	Attained
CS6702	Graph Theory and its Application	1.58	2.60	Attained
CS6703	Grid and Cloud Computing	1.95	2.60	Attained
CS6704	Resource Management Techniques	1.85	3.00	Attained
IT6801	Service Oriented Architecture	1.99	3.00	Attained
EC6703	Embedded and Real Time Systems	2.09	3.00	Attained
CS6711	Security Laboratory	2.81	3.00	Attained
CS6712	Grid and Cloud Computing Laboratory	2.92	3.00	Attained
CS6801	Multi-Core Architectures and Programming	2.02	2.07	Attained

CS6008	Human Computer Interaction	2.04	2.86	Attained
GE6075	Professional Ethics in Engineering	2.18	2	Not Attained
CS6811	Project work	2.93	3	Attained
Third Year				
MA8551	Algebra and Number Theory	1.8	2.68	Attained
CS8591	Computer Networks	1.8	2.92	Attained
EC8691	Microprocessors and Microcontrollers	1.8	2.76	Attained
CS8501	Theory of Computation	1.8	2.84	Attained
CS8592	Object Oriented Analysis and Design	1.8	2.92	Attained
OCE551	Air Pollution and Control Engineering	1.8	3	Attained
OME551	Energy Conservation and Management	1.8	2.68	Attained
OAN551	Sensors And Transducers	1.8	2.36	Attained
OCH551	Industrial Nanotechnology	1.8	3	Attained
OMF551	Product Design and Development	1.8	3	Attained
EC8681	Microprocessors and Microcontrollers Laboratory	2.5	3	Attained
CS8582	Object Oriented Analysis and Design Laboratory	2.5	3	Attained
CS8581	Networks Laboratory	2.5	3	Attained
CS8651	Internet Programming	1.8	3	Attained
CS8691	Artificial Intelligence	1.8	2.2	Attained
CS8601	Mobile Computing	1.8	2.6	Attained
CS8602	Compiler Design	1.8	2.07	Attained
CS8603	Distributed Systems	1.8	2.6	Attained
IT8076	Software Testing	1.8	2.87	Attained
GE8075	Intellectual Property Rights	1.8	3	Attained
CS8661	Internet Programming Laboratory	2.5	3	Attained
CS8662	Mobile Application Development Laboratory	2.5	3	Attained
CS8611	Mini Project	2.5	3	Attained
HS8581	Professional Communication	2.5	3	Attained
Second Year				
MA8351	Discrete Mathematics	1.91	2.32	Attained
CS8351	Digital Principles and System Design	1.96	2.76	Attained
CS8391	Data Structures	1.80	2.04	Attained
CS8392	Object Oriented Programming	1.80	2.62	Attained
EC8395	Communication Engineering	1.80	2.32	Attained

CS8381	Data Structures Laboratory	2.68	3.00	Attained
CS8383	Object Oriented Programming Laboratory	2.65	3.00	Attained
CS8382	Digital Systems Laboratory	2.59	3.00	Attained
HS8381	Interpersonal Skills/Listening & Speaking	2.47	3.00	Attained
MA8402	Probability and Queueing Theory	1.80	1.80	Attained
CS8491	Computer Architecture	1.88	2.47	Attained
CS8492	Database Management Systems	2.08	2.60	Attained
CS8451	Design and Analysis of Algorithms	1.80	2.47	Attained
CS8493	Operating Systems	1.80	2.07	Attained
CS8494	Software Engineering	1.93	2.20	Attained
CS8481	Database Management Systems Laboratory	2.59	3.00	Attained
CS8461	Operating Systems Laboratory	2.63	3.00	Attained
HS8461	Advanced Reading and Writing	2.50	3.00	Attained
First Year				
HS8151	Communicative English	2.21	2.84	Attained
MA8151	Engineering Mathematics-I	1.89	2.60	Attained
PH8151	Engineering Physics	2.03	2.92	Attained
CY8151	Engineering Chemistry	2.11	3.00	Attained
GE8151	Problem Solving and Python Programming	2.18	2.47	Attained
GE8152	Engineering Graphics	1.82	2.76	Attained
GE8161	Problem Solving and Python Programming Laboratory	2.78	3.00	Attained
BS8161	Physics and Chemistry Laboratory	2.76	3.00	Attained
HS8251	Technical English	2.13	2.73	Attained
MA8251	Engineering Mathematics-II	2.13	2.33	Attained
PH8252	Physics for Information Science	1.99	2.60	Attained
BE8255	Basic Electrical, Electronics and Measurement Engineering	1.92	2.87	Attained
GE8291	Environmental Science and Engineering	2.24	2.60	Attained
CS8251	Programming in C	1.85	2.20	Attained
GE8261	Engineering Practices Laboratory	2.79	3.00	Attained
CS8261	C Programming Laboratory	2.58	3.00	Attained

- The procedure for calculating PO and PSO attainment for courses and PO and PSO attainment process for the programme were presented.

$$PO_m/PSO_m \text{ Direct Attainment} = \frac{\sum_{i=1}^x PO_m/PSO_m \text{ Attainment of course}(i)}{x}$$

PO_m/PSO_m Indirect Attainment

$$= (PO_m/PSO_m \text{ Attainment of PES} \times 0.5) + (PO_m/PSO_m \text{ Attainment of AS} \times 0.5)$$

Overall PO_m/PSO_m Attainment

$$= (PO_m/PSO_m \text{ Direct Attainment} \times 0.8) + (PO_m/PSO_m \text{ Indirect Attainment} \times 0.2)$$

Batch	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
2013-2017	2.15	1.87	1.78	1.75	1.80	1.87	1.87	1.75	1.66	1.73	1.97	1.66
2014-2018	2.39	2.10	1.97	1.94	1.90	1.99	2.07	1.98	1.84	1.98	2.01	1.83
2015-2019	2.54	2.19	2.07	2.00	1.96	2.05	2.08	2.06	1.86	2.05	2.06	1.93
2016-2020	2.55	2.22	2.09	1.96	1.91	1.96	1.88	2.02	1.79	2.03	1.91	1.88

Figure 2.2 PO attainment level for passed out batches

Batch	PSO1	PSO2	PSO3
2013-2017	1.84	1.73	1.68
2014-2018	2.06	1.97	1.88
2015-2019	2.15	2.08	2.02
2016-2020	2.11	2.08	1.97

Figure 2.3 PSO attainment level for passed out batches

- The attainment of PO is calculated by giving 80% of weightage to courses as direct assessment and 20% as indirect assessment through Alumni survey and programme exit survey
- The attainment of POs and PSOs against the Target for the passed out batches were discussed.

Presenter:Dr.M.Gomathy Nayagam,AP(SG)/CSE

- Explained the various necessary steps taken for continuous improvement of the department.
- The members discussed about the not target attained subjects in the batch 2015-2019 and the status of action taken to the 2016-2020 batch for attaining the target in the particular subjects were discussed with the DAC members.

Not Attained Course Analysis for 2015-2019 Batch

Sl.No	Course Code	Course Title	Target	Obtained Attainment	Inference	Action Taken
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1	MA6151	Mathematics I	2.48	2.36	University Grade E:18 U:01	<ul style="list-style-type: none"> • Special coaching , Tutorials and More Assignments given to Mathematics subjects • Guest Lecture on “Big Data Analytics” on 05.07.2020
2	CS6211	Digital Laboratory	2.91	2.76	University Grade: E:03, D:02	<ul style="list-style-type: none"> • Additional exercises has given to the students
3	CS6702	Graph Theory and its Application	1.58	0.64	University Result – Grade:E- 25, U:29	<ul style="list-style-type: none"> • Special coaching , Tutorials and More Assignments given to Mathematics subjects • Guest Lecture on “Big Data Analytics” on 05.07.2020

Status of Not Attained Course of 2015-19 Batch in 2016-2020

Sl.No.	Course Code	Course Title	Target	Obtained Attainment	Inference	Status
1	MA6151	Mathematics I	2.48	2.20	University Grade E:14, U:2	<ul style="list-style-type: none"> • Not Attained
2	CS6211	Digital Laboratory	2.91	2.76	University Grade: E:06, D:02, U:01	<ul style="list-style-type: none"> • Not Attained
3	CS6702	Graph Theory and its Application	1.58	2.60	University Result – Grade:E- 25, U:29	<ul style="list-style-type: none"> • Attained

Actions Taken for Other Attained COs, POs and PSOs (AY:2019-2020)

Sl.No.	Action Taken	Course Index & Title	Target attained POs and PSOs
1	Organized guest lecture on “Big Data Analytics” by Mr.Mohid ved, Principal Technical officer, CDAC, Bangaluru on 05.07.2019	C210- PQT (R-17)	PO1, PO2, PO3, PSO3
2	Organized guest lecture on “Project Management” by Mr.K.Iyappan, Advisory Technical Service Specialist, IBM global Business Services, Bangaluru on 02.08.2019	C323- Mini Project (R-17) & C412- Project Work (R-13)	PO8,PO9, PO11
3	Guest lecture on ”Cloud Computing Platform-OpenNebula” delivered by Dr.D.Kesavaraja, Assistant Professor, Department of CSE, Dr. Sivanthi Aditanar College of Engineering ,Tiruchendur for 51 students of IV year CSE on 31st August 2019	C403- GCC (R-13) & C404- CC (R-17)	PO5, PSO2
4	Organized Guest Lecture on ”eBOX” by Mr.Perichiappan, Software Developer, Coimbatore on 29.11.2019.	C302-IP (R-13), C314- C# and .Net (R-13), C107- PSCP (R-17),C114- Programming in C (R-17)	PO5,PO12
5	Conducted Hands-on workshop on “Network Termination” by the Internal Staff members of from 11.01.2020 to 06.02.2020 (II Batches)	C302- CN (R-17)	PO1,PO4,PO6
6	Organized guest lecture on “Software Test Automation”, Mr.B.Arshatkan, Team Leader,Amazon, Chennai on 15.02.2020	C323- Mini Project (R-17) & C412- Project Work (R-13)	PO1,PO2, PO5,PO12, PSO1
7	Guest lecture on “Data structure and algorithm” by Mr.S.Anand,Software Developer, Amazon Software Development Center, Chennai, on 22.02.2020 to 23.02.2020	C323- Mini Project (R-17) & C412- Project Work	PO1,PO2, PO3,PO4, PSO1

		(R-13)	
8	Organized Webinar on “Latest Trends in Networking Technology”, by Mr.Balaji Ravai, Senior Security Solutions Specialist, PCCW Solutions, Singapore on 22.05.2020	C323- Mini Project (R-17) & C412- Project Work (R-13)	PO1,PO5, PO12 PSO2, PSO3
9	Organized webinar on “Software Development with GOLang”, by Mr.SaravananSellathurai, Software Consultant, UK on 31.05.2020.	C314-IP (R-17) C323- Mini Project (R-17) & C412- Project Work (R-13)	PO1, PO5,PO12, PSO1
10	Organized Technical Webinar on Trends in IT Sector to Focus and Learn ” by Mr.G.Rajesh Mani kumar, Technology Analyst, Infosys, Brussels on 19.07.2020		
11	Motivated the students to become member in professional society such as CSI (94 student Members), IE(I)-CSE (44 Student Members)	-	PO9, PO10, PO12
12	Organized two day National level Workshop on ”Blockchain Technology” by RIT Cyber Security Cell and GeeksLab Technologies on 13.02.2020-14.02.2020	C401- CNS (R-17) C412- Project Work(R-17)	PO1, PO2,PO3,PO5,PO12, PSO2,PSO3

- The members discussed about the not target attained subjects in the batch 2016-2020 and the status of action taken to the forthcoming batch for attaining the target in the particular subjects were discussed with the DAC members.

Not Attained Course Analysis for 2016-2020 Batch

Sl.No	Batch & Sem	Course Title	Target	Obtained Attainment	Inference	Action Taken
1	2016-2020 (I Sem)	MA6151 & Mathematics-I	2.48		• Already discussed in DAC-II	
2		GE8162 & Engineering Graphics	2.24	2.00		
3		GE6163 &	2.69	2.61		

		Physics and Chemistry Laboratory-I				
4	2016-2020 (II sem)	PH6251 & Engineering Physics-II	2.20	2.16		
5		GE6163 & Physics and chemistry Laboratory II	2.78	2.04		
6		CS6211 & Digital Laboratory	2.91	2.76		
7	2016-2020 (V sem)	CS6513 & Computer Graphics Laboratory	2.82	2.80		
8	2016-2020 (VI Sem)	CS6659 & Artificial Intelligence	2.01	1.16		
9	2016-2020 (VIII Sem)	GE6075 & Professional Ethics in Engineering	2.18	2	University Result – Grade:E- 18	Action to be taken Guest Lecture - Computer Ethics

Actions Taken for Other Attained COs, POs and PSOs (AY:2020-2021)

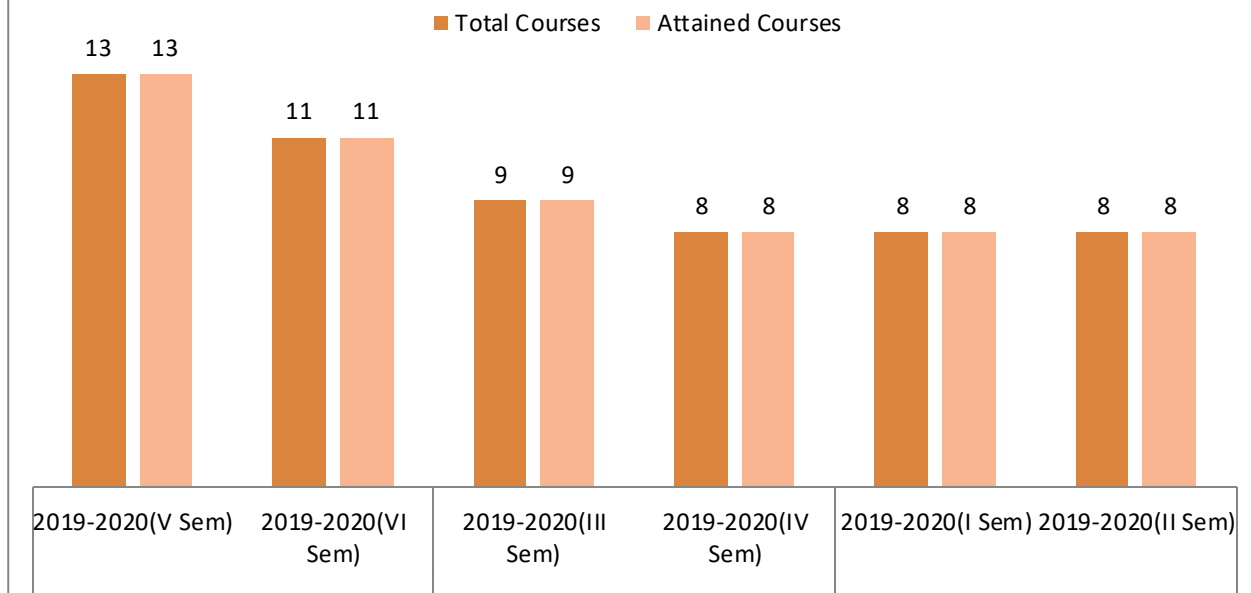
Sl.No.	Action Taken	Course Index & Title	Target attained POs and PSOs
1	Organized technical webinar on “ Cloud Computing Tools: CloudSim ” by Internal Faculty Member on 01.06.2020 & 02.06.2020	C404- CC (R-17)	PO1,PO2,PO5, PO12, PSO 2
2	Organized technical webinar on “ Robotics- An Implementation Approach ” by Dr.B.Bensujin,Head of Section-Electrical & Electronics, Nizwa College of Technology, Nizwan, Oman on 04.06.2020	C315- AI (R-17)	PO1,PO2,PO5, PO12
3	Organized technical webinar on “ Network Protocol Analyzer ” by Mr.S.Ramanujam, Technical Manager-Asia Pacific, Alcatel-Lucent Enterprise India Pvt. Ltd, Bangalore on	C302-CN & C313- Networks	PO1,PO2,PO5, PO12

	05.06.2020	Lab	
4	Organized a Technical Webinar on “Opportunities For The Fresher In The Data Analytics” by Mr.Ahemed Kalid, Vice-President Imarticus Pvr Ltd, on 31.08.2020	C404- CC (R-17) C102- MI, C111-M2, C209-PQT	PO1,PO2,PO3, PO4,PSO3
5	Organized guest lecture on SAP in AWS Cloud , by Mr.V.P.Manikandan, Manager, SAP Basis, ScottsMiracle Gro, Marysville, USA on 2.09.2020	C404- CC (R-17)	PO1,PO2,PO5, PO12, PSO 2
6	Organized virtual Technical Lecture on “A beginners guide to blogging and digital marketing” by Mrs. Gracelyne Fernando, Senior Social Media Marketing Executive, Cognizant, Chennai on 11.07.2020	-	PO1,PO2,, PO5, PO12
7	Organized Technical Webinar on ”Recent Innovations in IT Industry” by Mr.Bala Viknesh Nagamanickam, Release Quality Assurance Engineer, Fortinet, Vancouver, Canada on 25.07.2020		
8	Organized a Virtual Technical talk on ”Mastering Interview skills” by our student on 26th July 2020	C102- MI, C111-M2, C318- Commn. And Soft skills Lab	PO1,PO10,PO12
9	Organized Technical Webinar on 6G Wireless Technology and Its Application” , by Dr.Shahid Mumtaz, Senior Researcher, IEEE IAS Distinguished Lecturer, ACM Distinguished Speaker, Editor in Chief IET Journal of Quantum Communication, Instituto DE Telecommunications, AVEIRO, Portugal on 18.08.2020	C210- CN,C310- MC, C316- MAD Lab	PO1,PO2,PO5, PO12
10	Organized Virtual Webinar on ”Strategy to get a Successful Professional Career” , by Asmitha RaviKumar, Associate Technical Consultant, Vuram Technology Solution, Alumni (2014 Batch) on 23.08.2020	C102- MI, C111-M2, C318- Commn. And Soft skills	PO1,PO10,PO12

		Lab	
11	Organized Webinar on “Opportunities For The Fresher In The Data Analytics ” by Mr.Ahemed Kalid, Vice-President Imarticus Pvr Ltd on 31.08.2020	C404- CC (R-17) C102- MI, C111-M2,	PO1, PO2, PO3, PSO3
12	Organized workshop on Designing Software Application using object-oriented Paradigm”, by Mr.K.M Eswer Alumni of the 2014 batch on 11.10.2020.	C303-OOAD, C214-SE	PO1, PO2,PO3, PO12, PSO1
13	Organized a company-specific talk on the title How to crack TCS interview ” by our alumni (2015 and 2016 batch) on 21.10.2020	C102- MI, C111-M2, C318- Commn. And Soft skills Lab	PO1,PO2,PO3,PO12
14	Organized a Guest Lecture on ”Nuances of Resume Writing” by our Internal Faculty member on 30.10.2020	C102- MI, C111-M2, C318- Commn. And Soft skills Lab	PO10,PO12
15	Organized workshop on ”Building Web APIs using Django framework” by our Internal Faculty Member on 15.08.2020 to 16.08.2020	C310-MC, C316-MAD Lab C302-IP	PO1,PO2,PO3, PO5, PO12, PSO1

- CO attainment for the academic year 2019-2020 was discussed with the members. All the courses of 2019-2020 academic year courses were attained the target.

CO Attainments for Academic Year:2019-2020



- The faculty in-charge of criteria 7 was discussed about the academic audit status with DAC members and the corresponding actions were discussed with them. The good practices given by the audit members about the innovative practices, online quizzes were conducted per unit in each subject was discussed with the DAC members.

The cut-off wise and total number of quality of students was admitted during the academic year 2020-2021 were discussed with the members.

6. Students Performance

Presenter: Mr.R.Venkatesh

The screenshot shows a presentation slide with a table of student performance and a video conference interface. The table lists 8 courses with their respective faculty members, results, and average grade points. The overall pass percentage is 90.2%. The video conference interface shows several participants, including Kaliappan M.

Sl. No	Course Code & Title	Name of the Faculty Member	Result (%)	Average Grade Point
1	CS6701 Cryptography and Network Security	Mr.R.Venkatesh	96.08	6.49
2	CS6702 Graph Theory and Applications	Dr.L.Sathikala	94.12	5.94
3	CS6703 Grid and Cloud Computing	Mr.M.Gomathy Nayagam	98.04	6.76
4	CS6704 Resource Management Techniques	Mr.T.Selvaganesh	96.04	7.24
5	CS6711 Security Laboratory	Mr.R.Venkatesh & Ms.P.Jothi Thilaga	100	9.43
6	CS6712 Grid and Cloud Computing Laboratory	Mr.M.Gomathy Nayagam & Dr.M.Kaliappan	100	9.06
7	EC6703 Embedded and Real Time Systems	Mr.T.Ram Prakash	98.04	6.43
8	IT6801 Service Oriented Architecture	Dr.M.Kaliappan	96	6.88

Overall Pass Percentage: 90.2%

Students Performance by Mr.R.Venkatesh

Mr.R.Venkatesh presented the details of student's performance in the academic 2019-2020 in university exam result and placement details.

First, the presenter presented the details of result analysis in November / December Anna University exam results the academic year 2019-2020. In the academic year 2019-20, department of Computer science and Engineering secured overall pass percentage is 80.29 %. The following table shows the overall pass percentage.

Details	I Semester / II Semester	III Semester / IV Semester	V Semester / VI Semester	VII / VIII Semester
Nov/Dec – 2019 Pass Percentage ODD SEM	76.36%	71.43%	83.02%	90.2%
Apr/May – 2020 EVEN SEM	100 %	100 %	100 %	100 %

Sl. No.	Year	No of Students Registered	No. of students Passed	Result (%)
1	I Year CSE	55	42	76.36%
2	II Year CSE	49	35	71.43%
3	III Year CSE	53	44	83.02%
4	IV Year CSE	51	46	90.2%
OVERALL PASS PERCENTAGE				80.29%

The semester wise result analyses were discussed with the DAC members. The year wise pass percentage is shown in the following table.

I Semester

Overall Pass Percentage: 76.36%

Sl. No	Course Code & Title	Name of the Faculty Member	Result (%)	Average Grade Point
1	HS8151 Communicative English	Dr.M.Anand	98.18%	6.93
2	MA8151 Engineering Mathematics -I	Dr. G. Selvaraj	87.27%	6.13
3	PH8151 Engineering Physics	Dr.P.Thiruramanathan	90.91%	6.13
4	CY8151 Engineering Chemistry	Dr.N.Revathi	100%	8.05
5	GE8151 Problem Solving and Python Programming	Mrs.M.Swarna Sudha	87.27%	5.53
6	GE8152 Engineering Graphics	Mr.M.Lakshmanan	98.18%	7.78
7	GE8161 Problem Solving and Python Programming Laboratory	Mrs.M.Swarna Sudha Mrs.B.Vijayalakshmi	100%	9.31
8	BS8161 Physics and Chemistry Laboratory	Dr.P.Thiru Ramanathan Dr.G.Kanthimathi Dr.N.Revathi	100%	8.67

III Semester

Overall Pass Percentage: 71.43%

Sl. No	Course Code & Title	Name of the Faculty Member	Result (%)	Average Grade Point
1	MA8351 Discrete Mathematics	Dr.R.Subasree	93.88	6.63
2	CS8351 Digital Principles and System Design	Mr.P.Venkatesh	93.88	6.47
3	CS8391Data Structures	Mrs.B.Vijayalakshmi	85.71	5.88
4	CS8392 Object Oriented Programming	Dr.K.Vijayalakshmi	85.71	6.10
5	EC8395 Communication Engineering	Mr.R.Deiva Nayagam	79.59	5.04
6	CS8381 Data Structures Laboratory	Mrs.B.Vijayalakshmi & Mr.C.A.Yogaraja	100	8.78
7	CS8383 Object Oriented Programming Laboratory	Mr.K.Vignesh Saravanan & Mrs.N.Nithya	100	9.12
8	CS8382 Digital Systems Laboratory	Mr.A.Ramesh Babu & Mr.P.Venkatesh	100	8.90
9	HS8381 Interpersonal Skills/Listening &Speaking	Dr.M.Anand	100	8.94

V Semester

Overall Pass Percentage: 83.02%

Sl. No	Course Code & Title	Name of the Faculty Member	Result (%)	Average Grade Point
1	MA8551/Algebra and Number Theory	Dr.U.Kumaran	92.45%	7.04
2	CS8591/Computer Networks	Mrs.M.Swarna Sudha	98.11%	6.92
3	EC8691/Microprocessors and Microcontrollers	Mr.A.Azhagu Jaisudhan Pazhani	86.79%	5.81
4	CS8501/Theory of Computation	Mrs.S.Manjula	92.45%	5.96
5	CS8592/Object Oriented Analysis and Design	Mr.D.Lakshmanan	96.23%	7.09
6	OCE551/Air Pollution and Control Engineering	Dr.G.Kanthimathi	100.00%	7.87
7	OME551/Energy Conservation and Management	Mr.R.Arun Kumar	78.57%	4.86
8	OAN551/Sensors And Transducers	Mr.S.Vijayakumar	100.00%	7.20
9	OCH551/Industrial Nanotechnology	Dr.O.Senthilkumar	100.00%	6.90
10	OMF551/Product Design And Development	Mr.S.Santhana Maruthu Pandian	100.00%	7.00
11	CS8581/Networks Laboratory	Mrs.M.SwarnaSudha(MSS) Ms.P.JothiThilaga(PJ)	100.00%	9.02
12	CS8582/Object Oriented Analysis and Design Laboratory	Mr.D.Lakshmanan(DL)& Dr.M.Kaliappan(MK)	100.00%	9.15
13	EC8681/Microprocessors and Microcontrollers Laboratory	Mr.A.AzhaguJaisudhanPazhani(AAJ) &Mr.S.Vijayakumar(SVK)	100.00%	9.02

VII Semester

Overall Pass Percentage: 90.2%

Sl. No	Course Code & Title	Name of the Faculty Member	Result (%)	Average Grade Point
1	CS6701 Cryptography and Network Security	Mr.R.Venkatesh	96.08	6.49
2	CS6702 Graph Theory and Applications	Dr.L.Sathikala	94.12	5.94
3	CS6703 Grid and Cloud Computing	Mr.M.Gomathy Nayagam	98.04	6.76
4	CS6704 Resource Management Techniques	Mr.T.Selvaganesh	96.04	7.24
5	CS6711 Security Laboratory	Mr.R.Venkatesh & Ms.P.Jothi Thilaga	100	9.43
6	CS6712 Grid and Cloud Computing Laboratory	Mr.M.Gomathy Nayagam & Dr.M.Kaliappan	100	9.06
7	EC6703 Embedded and Real Time Systems	Mr.T.Ram Prakash	98.04	6.43
8	IT6801 Service Oriented Architecture	Dr.M.Kaliappan	96	6.88

Followed by, the presenter presented the details of result analysis in April/ May-2020 Anna University exam results Anna University exam results the academic year 2019-2020 Even Semester. In the academic year 2019-20 even semester, department of Computer science and Engineering secured overall pass percentage is 100 %. The following table shows the overall pass percentage, overall result analysis, comparison of result analysis and GPA comparison charts.

II Semester

Overall Pass Percentage: 100 %

Sl. No	Course Code & Title	Name of the Faculty Member	Result (%)	Average Grade Point
1	HS8251 Technical English	Dr.M.Anand	100%	7.69
2	MA8251 Engineering Mathematics -II	Dr. G. Selvaraj	100%	7.65
3	PH8252 Physics for Information Science	Dr.P.Thiruramanathan	100%	8.05
4	BE8255 Basic Electrical, Electronics and Measurement Engineering	Mr. A. S. Vigneshwar	100%	7.89
5	GE8291 Environmental Science and Engineering	Dr.N.Revathi	100%	7.51
6	CS8251 Programming in C	Dr. K. Vijayalakshmi Mrs. B. Vijayalakshmi	100%	7.40
7	CS8261 C Programming Laboratory	Mrs. B. Vijayalakshmi Mrs. M. Swarnasudha Mr. K. Vignesh Saravanan	100%	9.76
8	GE8261 Engineering Practice Laboratory	Mr. A. S. Vigneshwar Mr. M. Santhana Maruthu Pandian	100%	9.60

IV Semester

Overall Pass Percentage: 100 %

Sl. No	Course Code & Title	Name of the Faculty Member	Result (%)	Average Grade Point
1	MA8402 Probability and Queueing Theory	Mr.T.Selvaganesh	100	7.10
2	CS8491 Computer Architecture	Mr.A.S.Prabaharan	100	7.78
3	CS8492 Database Management Systems	Mr.K.Vignesh Saravanan	100	7.65
4	CS8451 Design and Analysis of Algorithms	Ms.P.Jothi Thilaga	100	7.45
5	CS8493 Operating Systems	Mrs.N.Nithya	100	7.41
6	CS8494 Software Engineering	Mr.D.Lakshmanan	100	7.33
7	CS8481 Database Management Systems Laboratory	Mr.K.Vignesh Saravanan & Mrs.B.Vijayalakshmi	100	9.84
8	CS8461 Operating Systems Laboratory	Mrs.N.Nithya & Mrs.V.Anusuya	100	9.88
9	HS8461 Advanced reading and writing	Dr.M.Anand	100	9.29

VI Semester

Overall Pass Percentage: 100 %

Sl. No.	Course Code & Title	Name of the Faculty Member	Result (%)	Average Grade Point
1	CS8601/Mobile Computing	Dr.M.Kaliappan (MK)	100.00%	7.81
2	CS8602/Compiler Design	Mrs.V.Anusuya (VA)	100.00%	7.57
3	CS8603/Distributed Systems	Mr.M.Gomathy Nayagam (MGN)	100.00%	7.89
4	CS8651/Internet Programming	Mr.C.A.Yogaraja (CAY)	100.00%	8.25
5	CS8691/Artificial Intelligence	Mrs.S.Manjula (SM)	100.00%	7.66
6	GE8075/Intellectual Property Rights	Mr.M.Santhana Maruthu Pandian (MSM)	100.00%	8.90
7	IT8076/Software Testing	Mr.D.Lakshmanan (DL)	100.00%	8.64
8	CS8661/Internet Programming Laboratory	Mr.C.A.Yogaraja (CAY)& Mr.A.S.Prabaharan (ASP)	100.00%	9.13
9	CS8662/Mobile Application Development Laboratory	Mr.D.Lakshmanan (DL) & Mrs.S.Manjula (SM)	100.00%	9.94
10	CS8611/Mini Project	Dr. K.Vijayalakshmi (KV), Dr.M.Kaliappan (MK) & Mr.R.Venkatesh (RV)	100.00%	9.62
11	HS8581 / Professional Communication	Dr.M.Anand (MA) & Mrs.A.Prem Ananthi(APA)	100.00%	9.23

VIII Semester

Overall Pass Percentage: 100 %

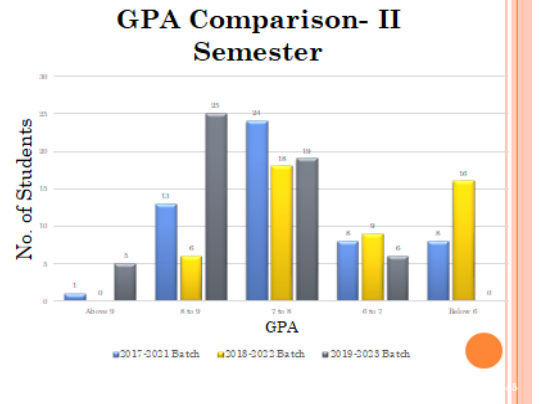
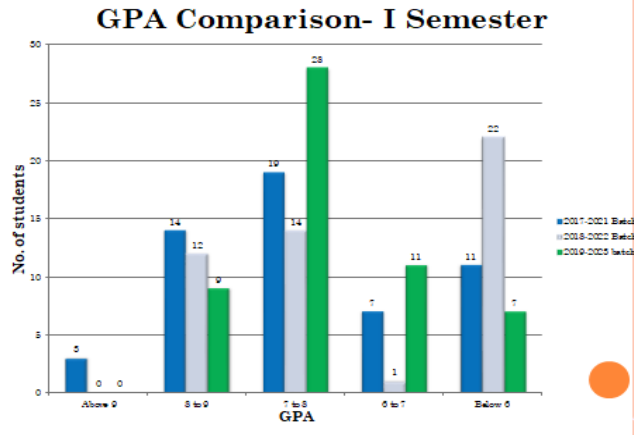
Sl. No.	Course Code & Title	Name of the Faculty Member	Result (%)	Average Grade Point
1	CS6801 Multi-Core Architectures and Programming	Mr.M.Gomathy Nayagam(MG)	100 %	7.35
2	CS6008 Human Computer Interaction- (E IV)	Mrs.M.Swarna Sudha(MSS)	100 %	7.65
3	GE6075 Professional Ethics in Engineering- (E V)	Mr.R.Venkatesh(RV)	100 %	7.90
4	CS6811 Project work	Dr.K. Vijayalakshmi(KV), Dr.M.Kaliapppan(MK)& Mr.R.Venkatesh(RV)	100 %	9.47

OVERALL RESULT ANALYSIS

Sl. No.	Year	No of Students Registered	No. of students Passed	Result (%)
1	I Year CSE	55	55	100%
2	II Year CSE	49	49	100%
3	III Year CSE	53	53	100%
4	IV Year CSE	51	51	100%

COMPARISON OF RESULT (R 2017)

Batch/ Semester	Batch 2017 - 2021	Batch 2018 - 2022	Batch 2019 - 2023
I Semester	79.63	55.10	76.36
II Semester	85.19	67.35	100
III Semester	68.52	71.43	NA
IV Semester	70.37	100	NA
V Semester	83.02	NA	NA
VI Semester	100	NA	NA



Student Placement Details

Second, the presenter presented the details of placement activities organized in the academic year 2019-2020 and placement statics in the year of 2019-2020. The details are shown in the following tables.

STUDENTS DETAILS

Particulars	2020 - 2021 (as on 03.12.20)	2019 - 2020	2018 - 2019	2017 - 2018	2016 - 2017
Total	53	51	57	57	66
Placed	16	42	48	42	44
Percentage	30.18%	82.35%	84.21%	73.68%	66.66%

Placement Training Details (2020 – 2021)

S. No	Training program details	Training organization	Duration
1	Placement training for Ramco Systems – Data Science	RIT – Faculty	2 days (10.10.2020 to 11.10.2020)
2	Company Specific Training Program for Centizen	RIT Alumni Interaction Mr. M.Lakshmanarajulu, Mr. M.Venkateshwaran, Mr.S.Sarathodi	3 Days
3	Placement training on Crack the TCS and Mock Interview	RIT - Faculty and RIT Alumni	10 Days
4	Employability Training in Service based company (Basic) & Employability Training for Service based companies	RIT – Faculty for all IV Year Students	13.07.2020 to 25.08.2020
5	Company Specific Talk	Mr. Kata Bharat – Alumni	1 Day 26.07.2020
6	Technical Aptitude, Mock Interview – Embed UR	RIT – Faculty	02.08.2020, 06.08.2020, 08.08.2020
7	Company Specific Talk for Vuram Technology Solution	RIT Alumni Interaction, Anantha RaviKumar, Associate Technical Consultant, Vuram Technology Solution	23.08.2020
8	Tern learning platform for technical Growth		

Placement Training Details (2019 - 2020)

S. No	Training program details	Training organization	Duration
1	Product Based Companies Coding Training	GUVI, Chennai	2 Months started from 10.6.2019.
2	AMCAT Aptitude Training Program	SMART Training Resources, Chennai	6 Days (17.6.2019 to 22.6.2019)
3	Advanced AMCAT Aptitude Training Program	ETHNUS, Bangalore	8 Days (17.6.2019 to 25.6.2019)
4	Programming Skills Training	Internal Faculty Members	9 Days (17.6.2019 to 26.6.2019)
5	MOCK Interview	Internal Faculty Members	6 Days (19.6.2019 to 26.6.2019)
6	Service Based Companies Coding Training	FACE, Coimbatore	6 Days (27.6.2019 to 4.7.2019)
7	SkillRack Test	Online, www.skillrack.com	Full Academic Year

Followed by, the presenter presented the details of placed student's details in year wise.

ACADEMIC YEAR: 2020-2021

S. No	NAME OF THE COMPANY	No of students placed	Salary per Annum (In Indian Rs. in Lacks)
1	Ramco Systems, Chennai	1	2.77
2	Ramco Cements, Chennai	10	3.43
3	Centizen, Thirunelveli	2	3
4	Vuram Technology Solution, Chennai	2	4.5
5	Embed UR	1	5

ACADEMIC YEAR: 2019-2020

S. No	NAME OF THE COMPANY	No of students placed	Salary per Annum (In Indian Rs. in Lacks)
1	Ramco Systems, Chennai	2	2.77
2	Ramco Cements, Chennai	5	3.43
3	Tata Consultancy Services, Chennai	7	3.26
4	Centizen, Thirunelveli	3	3
5	Infosys, Chennai	3	3.26
6	Zoho Corporation, Chennai	2	4.62
7	JMAN Group, Chennai	1	1.8
8	CrystalDelta Solutions, Chennai	2	2.05
9	Aspire Systems, Chennai	3	2.85
10	Airtel, Chennai	1	3.36
11	FACE, Coimbatore	2	2.88
12	Six Phrase, Coimbatore	1	1.2
13	SMART Training Resources, Chennai	3	1.44
14	Just Dial, Chennai	2	2.08
15	Seven Hills Cloud Technologies, Madurai	5	1.24

ACADEMIC YEAR: 2018-2019

S. No	NAME OF THE COMPANY	No of students placed	Salary per Annum (In Indian Rs. in Lacks)
1	Ramco Systems, Chennai	23	2.77
2	Ramco Cements, Chennai	4	3.43
3	Tata Consultancy Services, Chennai	7	3.36
4	Wipro, Chennai	1	4.8
5	Allinnov Research & Development Pvt Ltd	1	1.2
6	Apptivo Software, Madurai	2	1.2
7	FACE, Coimbatore	3	2.88
8	GoDB Tech, Chennai	1	2.1
9	Infosys, Chennai	3	3.3
10	RMK InfoTech, Chennai	3	2.0

ACADEMIC YEAR: 2017-2018

S. No	NAME OF THE COMPANY	No of students placed	Salary per Annum (In Indian Rs. in Lacks)
1	Ramco Systems, Chennai	16	2.75
2	Odessa Technologies, Bengaluru	1	4.0
3	Vuram Technology Solution, Chennai	1	3.97
4	Solarties Technology Service, Madurai	5	3.1
5	American Mega Trenda, Chennai	1	3.0
6	Zoho Tenkasi	1	4.62
7	Amazon/SavvySoft Technologies, Chennai	1	3.5
8	Infosys, Chennai	1	3.25
9	Mobius Knowledge Service	5	1.5
10	Jilaba Software, Chennai	2	1.2
11	Hinduja Global Solutions, Bengaluru	4	1.2
12	Teezle Telematics, Chennai	1	1.92
13	RMK InfoTech, Chennai	3	2.0
19	Sudarsanam Spinning Mills, Rajapalayam	1	1.02

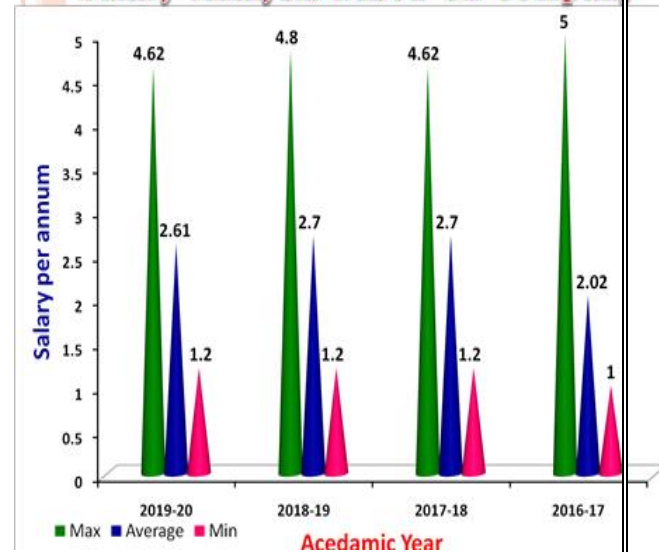
BASED ON STUDENTS SALARY

Salary (in Lakhs)	2020-2021 (as on 03.12.2020)	2019- 2020	2018-2019	2017-2018	2016-2017
above 5	1	--	--	--	1
4--5	1	2	1	2	1
3--4	2	17	14	9	10
2--3	1	10	30	19	7
1--2	-	9	3	12	25

STUDENT SALARY ANALYSIS

Salary Range	2019- 2020	2018- 2019	2017- 2018	2016- 2017
Max	4.62	4.8	4.62	5
Average	2.61	2.7	2.7	2.02
Min	1.2	1.2	1.2	1

Salary Analysis-Based on Company



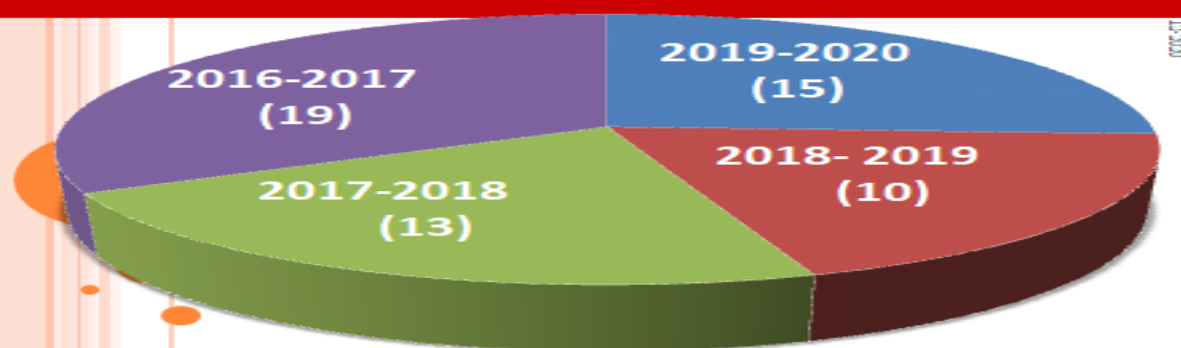
Placed students Core and Other company Details

Particulars	2019 - 2020	2018 - 2019	2017- 2018	2016 - 2017
Total Placed	42	48	42	44
Core Company	35	45	36	35
Other Company	7	3	6	9

Analysis-Based on No.of Company

Particulars	2019- 2020	2018- 2019	2017- 2018	2016- 2017
No. of Companies	15	10	13	19
Total Placed	42	48	42	44

Placement Comparison



Finally conclude the presenter with the inference and action taken root causes of the GE8151 Problem solving and Python Programming Result regards.

Inference

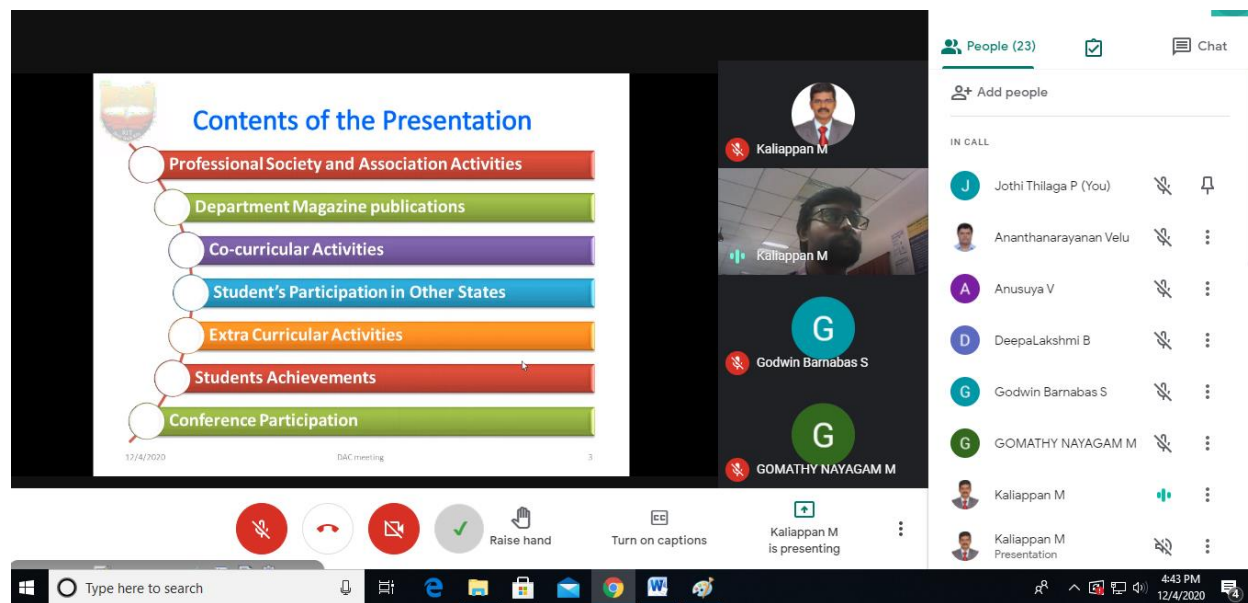
- Problem Solving and Python Programming subject has less pass percentage in pervious semester.

Action Taken

- Planned and conducted more additional exercises (Programs) in laboratory classes through Hacker Rank Platform.
- Planned to give more descriptive type of programs in assignments.
- In order to improve the presentation and communication skill the assignment programs are planned as Presentation.

6.1 Professional Society and Association Activities

Presenter: Mr.K.Vignesh Saravanan



The screenshot shows a Zoom meeting interface. On the left, a presentation slide titled "Contents of the Presentation" lists the following items: Professional Society and Association Activities, Department Magazine publications, Co-curricular Activities, Student's Participation in Other States, Extra Curricular Activities, Students Achievements, and Conference Participation. The slide is dated 12/4/2020 and is slide 3 of a DAC meeting. On the right, a list of participants is shown, including Kaliappan M, Jothi Thilaga P (You), Ananthanarayanan Velu, Anusuya V, DeepaLakshmi B, Godwin Barnabas S, GOMATHY NAYAGAM M, and Kaliappan M Presentation. The bottom of the screen shows the Windows taskbar with the time 4:43 PM on 12/4/2020.

Students Performance by Mr.K.Vignesh saravanan

The below listed contents regarding the student's performance are presented by Mr.K.Vignesh Saravanan, in the DAC meeting.

- Professional Society and Association Activities
- Department Magazine publications
- Co-curricular Activities
- Student's Participation in Other States
- Extra-Curricular Activities
- Students Achievements
- Impact Analysis

Professional Society and Association Activities

The consolidated summary of the student's participation in the professional society and association activities are shown in the table below:

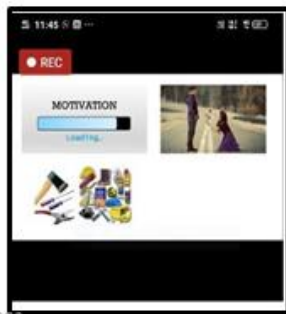
Professional Societies & Associations	(2019-2020)		(2020-2021) (till now)	
	No. of Students Participated	No. of events organized	No. of Students Participated	No. of events organized
CSI	568	18	912	26
IE(I) CSE	467	13	869	24
RIT Clustra	269	14	181	9

List of Programmer organized by Computer Society of India:

- Guest lecture - IoT and its Industrial Applications"
- Guest lecture - Big Data Analytics
- Technical Crossword event
- Image Puzzle-Event
- Guest Lecture on "Project Management"
- Technical Connection-Event
- Situation Manager-Event
- Hands workshop on Network termination
- Workshop - Game Development using Greenfoot
- Webinar - Latest Trends in Networking Technology
- Academic year 2020-2021
- Technical Talk "Strategy to get a Successful Professional Career"
- Webinar on 6G Wireless Technology and Its Application
- Webinar on "Opportunities for the Fresher in the Data Analytics"
- Webinar on Recent Innovations in IT Industry
- Technical talk on "Mastering Interview skills"
- Event "SEEK AND TALE"
- Event "MIND O PEDIA"
- Event "QUIZEE QUACKS"
- Event "Word Hippo"
- Webinar - Beginners guide to LinkedIn



Glimpse of Activity



List of Programmer organized by IE(I) CSE student Chapter:

- Event - Blind Coding
- Event - Jumble the code
- Event - Technical Connections
- Event - Tik Tik Tik
- Guest lecture on "Personal Mastery"
- Event - Unwrap your intellect
- Value Added Course on "Web Designing and Hosting"
- Short Seminar on "Craft the Perfect Resume"
- National level Workshop on "BLOCKCHAIN TECHNOLOGY"
- Logo Quiz
- Guest lecture on "Outcome Based Education"
- Event - Poster presentation contest
- Event - Tech Intellect / Technical Quiz
- Event - Design your Idea / Poster Competition
- Event - Crack the Quants / Aptitude Test
- Webinar on "Trends in IT Sector to Focus and Learn"
- Quiz on "Java Skills"
- Workshop on "Frameworks for building an API"
- Seminar on "Virtual Labs"
- Event - Code Jam
- Event - Think & DO (Crossword)
- Technical Quiz on "Java Programming"
- Guest Lecture on "Nuances of Resume Writing"

- Technical quiz on "Unified Modeling Language"
- Event - Technical connection



Blind Coding



Jumble the code



Connection



Guest lecture on Personal Mastery



Seminar on "Craft the Perfect Resume"



Guest lecture on "Outcome Based Education"

List of Programmer organized by RIT-Clustra:

- Value Added Courses on "Problem Solving Techniques"
- Value added Course on "IOT and Robotics"
- Value added Course on "Project using PHP"
- Event : Crypt your Mind
- Guest Lecture on "Project management"
- Event : Technical Dumb Charades
- Guest Lecture on "Cloud Computing Platform- OpenNeubula"
- Guest Lecture on "Software Test Automation"
- Paper Presentation Event
- Treasure Hunt
- Guest Lecture on SAP in AWS Cloud
- Technical Quiz Competition
- Guest Lecture on Computer Networks
- Coding Contest
- Non-Technical Quiz Competition

Department Magazine publications

Every semester Clustrazine magazine and newsletters are published from our department. Our department students take active participation as Editorial board members of the Clustrazine magazine and newsletter.

The lists of magazines published in the academic year 2019-2020 are:

- CLUSTRAZINE - Volume 2, Issue 1
- CLUSTRAZINE - Volume 2, Issue 2
- CLUSTRAZINE – NEWSLETTER – 1
- CLUSTRAZINE – NEWSLETTER – 2

Editorial members of magazines and newsletters:

EDITORIAL BOARD MEMBERS (Students)

Mr.A. Ariyanayagam , IV CSE

Ms. M. Akshaya , IV CSE

Ms. A.S Jesima , IV CSE

Mr. Laghuvarapu Pavan Sri Harsha , IV CSE

Mr. S.Santhosh , IV CSE

Ms. P. Rajarajeswari , III CSE

Ms. S. Yeshwanthini , III CSE

Mr. V. Pushpavanam Sabarish , III CSE

Ms. M. B. Sri Dharshini , II CSE



Newsletter Students Editors

Newsletter-1

Newsletter-2

EDITORIAL BOARD MEMBERS

FACULTY EDITORS

Dr.K.Vijayalakshmi, Prof. & Head /CSE
Mrs. S.Manjula, AP/CSE

LAB TECHNICIAN

Mr.M.Chandrasekar

STUDENT EDITORS

Pavithra M, III CSE
Raga Priya K, III CSE
Ajitha J, III CSE
Surya M, III CSE
Sathya Prakash K, III CSE
Sabna Devi P, II CSE
Esakkiraja A, II CSE

EDITORIAL BOARD MEMBERS

FACULTY EDITORS

Dr.K.Vijayalakshmi, Prof. & Head /CSE
Mrs. S.Manjula, AP/CSE

STUDENT EDITORS

Divyapandian K M, IV CSE
Sasi Rekha M, IV CSE
Vaishnavidevi A J, IV CSE
Rajarajeswari P, IV CSE

Co-curricular Activities

The consolidated summary of the student’s participation in the Co-curricular activities such as Workshops, Symposium, Seminars/Webinars, Paper presentation, online quizzes are shown in the table below:

2019-2020				
YEAR	Workshop	Webinar/ Seminar	Technical Events in Symposium	Paper Presentation
I	23	37	6	3
II	12	49	21	25
III	15	53	12	14
IV	2	36	14	-
Total	52 students	175 students	53 students	42 students

2020-2021* (till now)			
YEAR	Workshop	Webinar/ Seminar	Online Quiz
I	-	-	-
II	5	28	26
III	17	39	41
IV	14	41	30
Total	36 students	108 students	97 students

Every year our department student's participation in the various events and programmes and the number of participation is increasing every year.

Student's Participation in Other States

The summary of the student's participation in the Co-curricular activities, internships, inter-disciplinary projects are shown in the table below:

Event	Organized by	Number of students participated
Hero Skill Innovation Employability Program (E-Bike Challenge)	KL University, Andhra Pradesh	P.Gowtham, III year
Webinar on "Cyber Security In Lockdown Times In Facebook Live"	SAIT College, INDORE	S.Yeshwanthini, III year
Workshop on "Block Chain"	Bennett University, Greater Noida	K.Priyadharsini, III year
One month internship	Bennett University, Greater Noida	V.Pushpavanam Sabarish, III year, S.Rajarajeswari, III year
INNOWAH project	IIT Pals	S.Surya kumar, III year

Extra-Curricular Activities

The consolidated summary of the student's participation in the Extra-curricular activities such as NSS, NCC, NGO, Elite English Learners club, Women welfare club, Fine Arts club, EDC cell, Career guidance cell, IIC cell, ECO club, Sports and Yoga are shown in the table below:

Sl. No.	Name of the club/Scheme	Number of the students participated	
		2019-2020	2020-2021*
1.	NSS, NGO & NCC	62	40
2.	Elite English Learners club	13	18
3.	Fine Arts club	21	12
4.	EDC, CGC & IIC	35	42
5.	Women welfare club	20	14
6.	ECO club	3	6
7.	Sports & Yoga	27	34

Students Achievements:

Every year our department students won many prizes in co-curricular like paper presentation, Coding contest, skill development programme, other technical events in symposiums etc., and extra-curricular events like sports, essay writing, elocution, drawing, painting, poetry etc., The student's achievement for the academic year 2019-2020 and current academic year so far are listed in the table below:

Prize Winners	
YEAR	Number of students
2019 - 2020	36 (20 + 16)
2020 – 2021*	18

PRIZE WINNERS



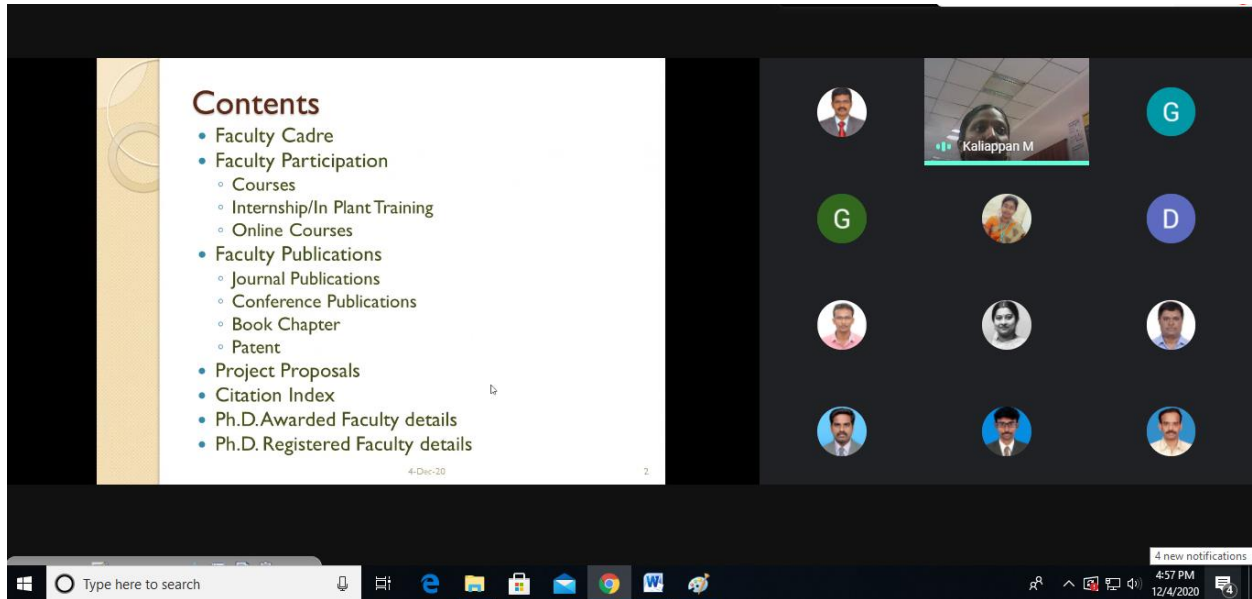
Impact Analysis:

Based on the student’s participation in the professional societies co-curricular, extra-curricular activities the impact analysis was done for some of the students. The analysis for one of the final year student Mr.K.Sathya Prakash is shown in the below table:

Co-curricular	Extra-curricular	Professional Societies	Outcome
8 Days boot camp on Data Structures and Algorithms	Elite English Learners' Club – Scrabble, Shoot & Correct, Taboo, Webinars, Funritz	<ul style="list-style-type: none"> • Office bearer in CSI and IE • Organized more than 18 events 	<ul style="list-style-type: none"> • Technical skills • Communication • Attitude & Confidence <p>Got Placed in Ramco Systems 2.77 lakhs/annum</p>
“TCS campus recruitment-Skill mentee, Techo Train” - TCS Recruitment Team			
webinar on “Tricks to tackle TCS interview”	Cricket Tournament - Anna University (Zonal) at MEPCO	Webinar on “Nuances of Resume writing”	
“WileyNXT Preparatory Session for CodeVita Season 9 ”			
webinar on “Cinch to Compete Campus Drive”	Student Editor in department magazine. Active member of NSS, YRC in Tree plantation	webinar on “How to grab an Opportunity?” organized by CSI & IE(I) CSE, RIT	
webinar on “ Expectation of Product based companies from young Engineers”			

7. Faculty Information and Contributions

Presenter: Mrs.B.Vijayalakshmi, AP(SG)/CSE



Faculty Information and Contributions by Ms.B.Vijayalakshmi

Mrs.B.Vijayalakshmi presented the following faculty information and Contribution details of CSE department.

- Faculty Cadre
- Faculty Participation
 - Courses
 - Internship/In Plant Training
 - Online Courses
- Faculty Publications
 - Journal Publications
 - Conference Publications
 - Book Chapter
 - Patent
- Project Proposals
- Citation Index
- Ph.D. Awarded Faculty details
- Ph.D. Registered Faculty details

Faculty Cadre:

The list of following members in each cadre is given below.

Professor	Assistant Professor
1. Dr.K.Vijayalakshmi	1. Mrs.N.Nithya
2. Dr.M.Kaliappan	2. Ms.P.Jothi Thilaga
Assistant Professor(SG)	3. Mrs.S.Manjula
1. Mr.R.Venkatesh	4. Mr.C.A.Yogaraja
2. Mrs.M.Swarna Sudha	5. Mr.K.Vignesh Saravanan
3. Dr.V.Anusuya	6. Ms.G.Sakthi Priya
4. Dr.M.Gomathy Nayagam	
5. Mrs.B.Vijayalakshmi	
6. Mr.D.Lakshmanan	

Faculty Participation:

The faculty members participated in various workshops, seminars, FDP, STTP and other courses offered by various institutions like NITTR, ATAL, AICTE, IUCEE, ICT Academy.

Number of Faculty Attended				
Activities	Online Course	FDP/ STTP	In-Plant Training	Seminar/ Workshop
2020-2021	13 (edx-56, coursera - 31)	13 (31 Courses)	01	13 (60 Courses)
2019-2020	14	14 (28 Courses)	04	14 (84 Courses)

The list of FDP & STTP attended based on the domain is given below. Our faculty members have participated in IIRS- outreach program, outcome based education and entrepreneurship programs to make the students to excel in that domain also.

Data Science FDP/STTP Attended

- Data Science
- Neural Networks and CNN

- Big Data Analytics
- Data Science using R
- Big Data Analytics With Deep Learning
- Medical Image Processing and Deep Learning Technologies
- Artificial Intelligence and Machine Learning
- Data Science with Statistical Methods using R programming: Contributions and Developments
- Machine Learning for Data Science and Analytics

IoT & Cyber Security FDP/STC Attended

- Innovation in Medical Devices and Impact of Internet of Things in Telehealth in Rural India
- The World of Wonderful Sensors
- Open Source Cyber Security Tools
- Cyber Security
- Cyber Physical System
- Cyber Security Era in Artificial Intelligence
- Emerging Research Frontiers in Quantum Safe Cryptography

Other Courses

- Block chain
- Salesforce Job Ready Developer Program
- Examination Reforms
- IUCEE International Engineering Educators Certification Program phase-III
- Outcome Based Curriculum
- Online Teaching
- Entrepreneurship
- FDP on Incorporating Universal Human Values in Technical Education
- IIRS OUTREACH PROGRAM- RS application in Agriculture water management

NITTTR Courses

Name of the Faculty Member	Title of the course
Dr.K.Vijayalakshmi Mr.R.Venkatesh Mrs.V.Anusuya Mr.M.Gomathy Nayagam Ms.P.Jothi Thilaga	FDP on “Linux Applications in Engineering Education”
Mr.K.Vignesh Saravanan	FDP on “Outcome Based Curriculum”
Mr.M.Gomathy Nayagam, Ms.P.Jothi Thilaga	STC on “Open Source Cyber Security Tools”

Mrs.V.Anusuya Ms.P.Jothi Thilaga Mrs.S.Manjula	STC on “Neural Networks and CNN”
Mr.D.Lakshmanan	FDP on “Big Data Analytics”
Mr.M.Gomathy Nayagam Mr.D.Lakshmanan Mr.C.A.Yogaraja	FDP on “Data Science using R”

ATAL Courses

Name of the Faculty Member	Title	Conducted by (Institute)
Mrs.M.Swarna Sudha	Big Data Analytics With Deep Learning	Poornima Institute of Engineering and Technology
Mrs.V.Anusuya	Medical Image Processing and Deep Learning Technologies	Panimalar Institute of Technology
Mr.M.Gomathy Nayagam	Artificial Intelligence	Velalar College of Engineering and Technology
Mrs.B.Vijayalakshmi	Data Science with Statistical Methods using R programming: Contributions and Developments	NIT Raipur
Ms.P.Jothi Thilaga	Innovation in Medical Devices and Impact of Internet of Things in Telehealth in Rural India	R.M.K Engineering College
Mrs.S.Manjula	Block chain	University Institute of Engineering and Technology, Kanpur
Mr.C.A.Yogaraja	The World of Wonderful Sensors	Dr.Ambedkar Institute of Technology, Bangalore
Dr.K.Vijayalakshmi Dr.M.Kaliappan	Cyber Physical System	Indian Institute of Information, Pune
Mrs.N.Nithya	Machine Learning for Data Science and Analytics	Ramakrishna Mission Vivekananda Educational and Research Institute, Coimbatore
Mr.D.Lakshmanan	Artificial Intelligence & Machine Learning	SRM Institute of Science and Technology, Delhi- NCR Campus, Ghaziabad, U.P.

ICT Academy Courses

Name of the Faculty Member	Title of the course
Dr.M.Kaliappan Mr.R.Venkatesh Mrs.M.Swarna Sudha	FDP on “Data Science with Python”
Mrs.N.Nithya	FDP on “Teaching technical computing through interactive methods using MATLAB and Simulink”
Mr.D.Lakshmanan	FDP on “Salesforce Job Ready Developer Program”
Mrs.N.Nithya	FDP on “Introduction to Angular JS”
Dr.V.Anusuya	FDP on “Fundamentals of Kotlin”
Mr.K.Vignesh Saravanan	FDP on “Oracle Programming using PL/SQL”

IUCEE Courses

Name of the Faculty Member	Title of the course
Dr.M.Kaliappan	International Engineering Educators Certification Program phase-III
Mrs.V.Anusuya Mr.K.Vignesh Saravanan	Online Teaching
Mr.C.A.Yogaraja	Entrepreneurship
Mrs.B.Vijayalakshmi	Artificial Intelligence for all

Courses offered by Bennett University

Name of the Faculty Member	Title of the course
Mr.K.Vignesh Saravanan	Advanced Training in AI Deep Learning under sabbaticals
Dr.M.Kaliappan	FDP on “Cyber Security Era in Artificial Intelligence”
Mr.D.Lakshmanan	Workshop on “Artificial Intelligence and Deep Learning”

Internship / In-Plant Training Details

- Mr.M.Gomathy Nayagam attended an Internship Training Program on “*Graphical Programming Language using NI LabVIEW*” OPTI THOUGHT (NI-SAP), Chennai during 06.07.2020 to 31.07.2020

- Mr.D.Lakshmanan underwent Industrial Visit at Maveric system, Chennai on 22.10.2019
- Mr.K.Vignesh Saravanan underwent Industrial Visit at BORN GROUP, Chennai on 14.10.2019
- Mr.A.S.Prabaharan, Mr.K.Vignesh Saravanan, Mrs.B.Vijayalakshmi, Mr. D.Lakshmanan, underwent Inplant Training at Rajapalayam Mills Ltd during 03.06.2019 to 06.06.2019

Online Courses

Our faculty members completed the following list of online courses offered by various universities through the platform such as edx, coursera.

- Introduction to computational thinking and data science
- Exploratory Data Analysis With Python and Pandas
- Introduction to TensorFlow for Artificial Intelligence, Machine Learning, and Deep Learning
- SQL for data science
- Analyzing data with Python
- Visualizing data with Python
- Exploratory Data Analysis With Python and Pandas
- Pandas Python Library for Beginners in Data
- Fundamentals of Deep Learning for Computer Vision
- Computer Vision Fundamentals with Watson and OpenCV
- Machine Learning with Python: A Practical Introduction
- Deep Learning Fundamentals with Keras
- Online Courses
- Data Science with python
- Sequences, Time Series and Prediction
- Linear Regression with NumPy and Python
- AI Chatbots without programming
- NLP: Twitter Sentimental Analysis
- Getting started in Google Analytics
- Introduction to Deep Learning, Algorithms, Part I
- Anomaly Detection in Time Series Data with Keras
- Introduction to Linear Models and Matrix Algebra
- Operations Research: an Active Learning Approach
- Vector Calculus for Engineers
- Data Science: Linear Regression
- Data Science: Probability
- Online Courses
- Blockchain Essentials
- Blockchain Technology
- Cybersecurity and the Internet of Things

- Fundamentals of Network Communication
- Java Programming: Solving Problems with Software
- Programming Foundations with JavaScript, HTML and CSS
- Introduction to HTML5
- Building Web applications in Django
- Web Application technologies and django

Outcomes:

The various FDP, STTP, online courses attended by the faculty members resulted in the following outcomes:

- Knowledge gained from these courses were disseminated to the students in the form of workshops such as Workshop on Data Science, Workshop on database, Workshop on Django.
- Students received placement offers from Ramco Systems, Rajapalayam Mills Ltd.,
- National and International patents are filed and published.
- Project proposals are submitted proposal to DST-Device development program, Waste Management Techniques, TNSCT and FAER scheme also
- Book Chapters are published in the domain of data science and IoT.
- Papers were published in reputed international journals and conferences.

Journal Publications

Academic Year	Journal Publications		
	SCI	Scopus	Google scholar
2020-2021	04 2- Published 2- Accepted	07	-
2019-2020	06	-	-
2018-2019	02	03	5
2017-2018	02	03	-
2016-2017	-	02	01

Journal Publications - Academic Year - 2019-2020

- R.Venkatesh, C.Balasubramanian and M.Kaliappan, “Development of Big Data Predictive Analytics Model for Disease Prediction using Machine learning Technique”, Journal of Medical Systems, Vol.43, no.272, pp.1-8, July (2019). (<https://doi.org/10.1007/s10916-019-1398-y>) *Impact factor: 2.415, SCI Indexed.*

- R.Geetha, S.Sivasubramanian, M.Kaliappan, S.Vimal and Suresh Annamalai, “Cervical Cancer Identification with Synthetic Minority Oversampling Technique and PCA Analysis Using Random Forest Classifier”, *Journal of Medical Systems (Springer)*, Vol.43, no.286, pp.1-19, July (2019). (<https://doi.org/10.1007/s10916-019-1402-6>) *Impact factor: 2.415, SCI Indexed.*
- R.Renugadevi and K.Vijayalakshmi, “Modeling a Novel Network Coding Aware Routing Protocol for Enhancement of Network Performance in Wireless Mesh Network”, *Wireless Personal Communications (Springer)*, Vol.107, no.1, pp.621-649, July (2019). (<https://doi.org/10.1007/s11277-019-06293-2>) *Impact factor: 0.929, SCI Indexed.*
- M.Gomathy Nayagam, K.Ramar, “Reliable Object Recognition System for Cloud Video Data based on LDP features”, *Computer Communications- Journal, Elsevier (SCI)*, Vol. 149, pp.343-349, October (2019). (<https://doi.org/10.1016/j.comcom.2019.10.027>) *Impact Factor: 2.766, SCI Indexed .*
- S.Vimal, Manju Khari, Rubén González Crespo, L.Kalaivani, Nilanjan Dey and M.Kaliappan, “Energy enhancement using Multiobjective Ant colony optimization with Double Q learning algorithm for IoT based cognitive radio networks”, *Journal of Computer Communications*, Vol.154, pp.481-490, March (2020). (<https://doi.org/10.1016/j.comcom.2020.03.004>) *Impact Factor: 2.766, SCI Indexed.*
- M. Sivaram, M. Kaliappan, S. Jeya Shobana, M. Viju Prakash, V. Porkodi, K. Vijayalakshmi, S. Vimal, A. Suresh, “Secure storage allocation scheme using fuzzy based heuristic algorithm for cloud”, *Journal of Ambient Intelligence and Humanized Computing*, May (2020). (<https://doi.org/10.1007/s12652-020-02082-z>) *Impact Factor: 3.42, SCI Indexed.*

Journal Publications- Academic Year - 2020-2021

- M.Gomathy Nayagam, P.Amirtha, Dr.K.Ramar and Dr.K.Vijayalakshmi published a paper “Tomato Plant Disease Detection Based on Convolution Neural Network with Data Augmentation”, *Journal of Critical Reviews*, Vol. 7, No.14, pp. 1921 – 1929, July 2020. ISSN- 2394-5125 (Scopus Indexed)
- M.Gomathy Nayagam, K.Srinithisivasankari, Dr.K.Ramar and Dr.K.Vijayalakshmi, published a paper “A Study of CNN Based Brain Tumor Detection Using Deep Learning”, *Journal of Critical Reviews*, Vol. 7, No. 14, pp. 1930 – 1937, July 2020. ISSN- 2394-5125 (Scopus Indexed)
- M.Kaliappan, A.Niranjana Devi, R.Sandhiya, D.Lakshmanan, S.Selvakumari, “Water Tank Monitoring and Flame Detection Application Using Lora”, *Journal of Green Engineering*, Vol.10, No.9, pp. 5748–5762, October 2020. (Scopus Indexed)
- B.Vijayalakshmi and K.Ramar, “Analysis of Traffic Flow Prediction Techniques in Green Intelligent Transportation System”, *Journal of Green Engineering*, Vol.10, No.9 pp. 5219 – 5231, October 2020. ISSN: 1904-4720 (Scopus Indexed)
- N.Nithya, V.Sumathy, “Analysis of Clustering Techniques Applied to Sensor Placement for Contamination Detection in Water Distribution Systems” *Journal of Green*

Engineering, Vol.10, No.9 pp. 5132–5137, October 2020. ISSN: 1904-4720 (Scopus Indexed)

- K.Ragavan, S.Jeeva, M.Krishna Kumar, K.Venkatalakshmi, K.Vijayalakshmi, “Safe Application for Emotion Detection in Sustainable Teaching Using Deep Learning”, Journal of Green Engineering, Vol.10, No.9 pp. 5118-5131, October 2020. ISSN: 1904-4720 (Scopus Indexed)
- M.Swarna Sudha, K.Valarmathi, U.Keerthana, “Machine Learning Approach for Sustainable Safeguarding Electronic Patient Record”, Journal of Green Engineering, Vol.10, No.10 pp. 9763-9778 , November 2020. ISSN: 1904-4720 (Scopus Indexed)
- V.Jackins, S.Vimal, M.Kaliappan, Mi Young Lee, “AI-based smart prediction of clinical disease using random forest classifier and Naive Bayes”, Journal of Supercomputing, November 2020. DOI: <https://doi.org/10.1007/s11227-020-03481-x>, *Impact Factor:2.4, SCI Indexed*
- B.Vijayalakshmi, K.Ramar, M.Kaliappan, NZ Jhanjhi, Sahil Verma, K.Vijayalakshmi, S.Vimal, Kavita, Uttam Ghosh, “An Attention Based Deep Learning Model For Traffic Flow Prediction Using Spatio Temporal Features Towards Sustainable Smart City”, International Journal of Communication Systems, November 2020, DOI: <https://doi.org/10.1002/dac.4609>, *Impact Factor:1.319, SCI Indexed*

Faculty Publication- Conference

Academic Year	Conference Publications	
	International	National
2020-2021	3	-
2019-2020	19	-
2018-2019	12	1
2017-2018	18	-
2016-2017	6	14

Conference Publications-Academic Year– 2019-2020

- Mrs.M.Swarna Sudha and G.K.Shunmuga Priya, “Next Location Prediction using Machine Learning Techniques”, 2nd International Conference on Recent Trends in Engineering and Scientific Technology 2020, March 2020, Rathinam Technical Campus, Coimbatore.
- Ms.P.Amirtha and Mr.M.Gomathy Nayagam presented a paper on “Deep Learning Based Tomato Plant Disease Detection” in the International Conference on Smart Engineering Technologies (IWCSET-2020) organized by RIT on 26 June, 2020.

- Ms.K.Srinithisivasankari, Mr.M.Gomathy Nayagam and Dr.K.Vijayalakshmi presented a paper on “Brain Tumor Detection Using Deep Learning” in the International Conference on Smart Engineering Technologies (IWCSET-2020) organized by RIT on 26 June, 2020.
- Mr.K.Vignesh Saravanan, Kata Bharat and Dr.K.Vijayalakshmi presented a paper on “A Novel Approach for Evaluating Yoga Poses of Humans Using Deep Learning” in the International Conference on Smart Engineering Technologies (IWCSET-2020) organized by RIT on 26 June, 2020.
- Ms.V.Nivetha and Ms.B.Vijayalakshmi presented a paper on “Detection of Malicious Social Bot Using Machine Learning” in the International Conference on Smart Engineering Technologies (IWCSET-2020) organized by RIT on 26 June, 2020.
- Ms.V.Nivetha and Ms.B.Vijayalakshmi presented a paper on “Detection of Malicious Social Bot Using Machine Learning” in the International Conference on Smart Engineering Technologies (IWCSET-2020) organized by RIT on 26 June, 2020.
- Mrs.S.Manjula, Mr.R.Venkatesh and Ms.V.Dhanya presented a paper on “Malware Identification Using Deep Learning” in the International Conference on Smart Engineering Technologies (IWCSET-2020) organized by RIT on 26 June, 2020.
- Mr.C.A.Yogaraja and Ms.I.Athsal Mahiba Joy presented a paper on “Multifactor Authentication by Encrypted Negative Password” in the International Conference on Smart Engineering Technologies (IWCSET-2020) organized by RIT on 26 June, 2020.
- Dr.M.Kalippan, Mr.C.AYogaraja, Ms.A.Niranjana Devi, Ms.R.Sandhiya and Ms.S.Selvakumari presented a paper on “Water Tank Monitoring and Flame Detection using LORA” in the International Conference on Smart Engineering Technologies (IWCSET-2020) organized by RIT on 26 June, 2020.
- Mrs.M.SwarnaSudha, Ms.S.Balasaraswathi, Mr.D.Rajkumaran, Mr.P.Gowthamraj presented a paper on “Using Deeplens (AWS) - Attendance Management System” in the International Conference on Smart Engineering Technologies (IWCSET-2020) organized by RIT on 27 June, 2020.
- Mr.R.Venkatesh, Dr.M.Kaliappan, Dr.C.Balasubramanian and Ms.K.R.Geerthanapriya presented a paper on “Rainfall Prediction System Using Generative Adversarial Networks” in the International Conference on Smart Engineering Technologies (IWCSET-2020) organized by RIT on 27 June, 2020.
- Mrs.B.Vijayalakshmi and Ms.G.Keerthana presented a paper on “Air Quality Prediction Using Neural Network” in the International Conference on Smart Engineering Technologies (IWCSET-2020) organized by RIT on 27 June, 2020.
- Mrs.S.Manjula and Ms.R.Lavanyaa presented a paper on “Software Fault Prediction Via Recurrent Neural Network (RNN)” in the International Conference on Smart Engineering Technologies (IWCSET-2020) organized by RIT on 27 June, 2020.

- Ms.P.Jothi Thilaga and Ms.G.Manimala presented a paper on “iOS Based Emergency SOS (Save Our Soul)” in the International Conference on Smart Engineering Technologies (IWCSET-2020) organized by RIT on 27 June, 2020.
- Dr.M.Kaliappan, Mrs.B.Vijayalakshmi, Mr.Manikandan, Ms.M.Shrialavika, Ms.G.Shunmugavalli and Ms.A.Vijaya Malini presented a paper on “SEO Analysis for B2B Websites Using Google Webmaster Tools” in the International Conference on Smart Engineering Technologies (IWCSET-2020) organized by RIT on 27 June, 2020.
- Mrs.N.Nithya and Ms.M.Vasanthi presented a paper on “iOS Based Blood Bank Management System” in the International Conference on Smart Engineering Technologies (IWCSET-2020) organized by RIT on 27 June, 2020.
- Mrs.V.Anusuya and Ms.P.Nithya Lakshmi presented a paper on “3D Object Visualization In Education Using Augmented Reality” in the International Conference on Smart Engineering Technologies (IWCSET-2020) organized by RIT on 27 June, 2020.
- Mrs.M.SwarnaSudha, Mr.D.Lakshmanan and Ms.U.Keerthana presented a paper on “Machine Learning Approach For Safeguarding Electronic Patient Record Systems” in the International Conference on Smart Engineering Technologies (IWCSET-2020) organized by RIT on 27 June, 2020.
- Mrs.B.Vijayalakshmi and Ms.B.Renugambal presented a paper on “Voice Based Email For Visually Challenged Person” in the International Conference on Smart Engineering Technologies (IWCSET-2020) organized by RIT on 27 June, 2020.

Conference Publications- Academic Year 2020-2021

- S.Vimal, Y.Harold Robinson, *M.Kaliappan*, K.Vijayalakshmi, Sanghyun Seo, Progression Detection of Glaucoma using K-Means and GLCM Algorithm, The 22nd International Conference on Artificial Intelligence-(ICAI'20), July 27-30, 2020, Las Vegas, USA.
- P.Subbulakshmi, S.Vimal, *M.Kaliappan*, Y.Harold Robinson, Mucbeol Kim, Trend Analysis using Agglomerative Hierarchical Clustering Approach for Time Series Big Data, The 22nd International Conference on Artificial Intelligence-(ICAI'20), July 27-30, 2020, Las Vegas, USA.
- V.Jackins, S.Vimal, *M.Kaliappan*, Mi Young Lee, Prediction of Clinical Disease with AI based Multiclass Classification using Naive-Bayes and Random Forest Classifier, The 22nd International Conference on Artificial Intelligence-(ICAI'20), July 27-30, 2020, Las Vegas, USA.

Book Chapter

S.No.	Academic Year	No. of Book chapters Published
1.	2019-2020	2
2.	2020-2021	3- Accepted for publication

Book Chapter Published (Academic Year: 2019-2020)

- K.Vijayalakshmi, Dr.S.Kavi Priya, Mr.K.Vignesh Saravanan, published a book chapter titled, *Machine Learning Techniques to Mitigate Security Attacks in IoT*, IGI global, 2019 (DOI: 10.4018/978-1-7998-0373-7.ch003).
- Dr.M.Kaliappan, published a book chapter titled, *Deep Learning-based decision making with WoT for smart city development, Internet of Things in Smart Technologies for Sustainable Urban Development*. EAI/Springer Innovations in Communication and Computing, (CRC Press) Springer, (DOI: https://doi.org/10.1007/978-3-030-34328-6_14) 2019

Book Chapter (Academic Year: 2020-2021)

S. No.	Book Chapter Title	Author Name	Publisher	Status
1	Forecasting using deep learning	Mrs.B.Vijayalakshmi Dr.M.Kaliappan Dr.K.Ramar Dr.K.Vijayalakshmi	Springer	Accepted for Publication
2	DNA Computing based big data storage	Mrs.N.Nithya Dr.V.Sumathy Dr.M.Kaliappan Dr.K.Vijayalakshmi	Elsevier	Accepted for Publication
3	Deep Learning model for prediction of diabetes diseases	Dr.K.Vijayalakshmi Dr. M.Kaliappan Mrs.V.Anusuya Ms.P.Jothi Thilaga	IIMSHA	Accepted for Publication

Patents Published

S.No.	Academic Year	No. of Patents Published
1.	2019-2020	2
2.	2020-2021	3-Published 1-Filed, 3-In progress

Patents Published (2019-2020)

S.No	Title of Patent	Inventors	Date of Filing	Status
1	Mobile Application to help the Tribal Parents to locate the Tribal Schools and Hostels	Dr. K.Vijayalakshmi, Mr.R.Venkatesh, Ms.V.Archuna, Ms.R.Asmitha, Ms.G.Divya, Ms.G. Sakthi Priya	Application no: 201841022715 A,	Published on 14.06.2019
2	Global System For Mobile Communication (GSM)	A Suresh, S.Vimal, N.Malarvizhi, M.Kaliappan, P.Subbulakshmi, Neeba E A, Sasikala	Application no: 201941038317 A,	Published on 25.10.2019

Patents Published(2020-2021)

S. No	Title of Patent	Inventors Name	Date of Filing	Status	Application Details
1	Drone detection apparatus and method using Deep Learning	Mi Young Lee, M.Kaliappan, S.Vimal, K.Vijayalakshmi, S.Manikandan	10.08.2020	International	10-2020-0099721 (Korean Patent)
2	Surveillance Automation for Detection and Identification of Human Behaviours	Dr.J.Amutharaj M.Gomathy Nayagam Dr.D.Sobya I.Gethzi Ahila Poornima P.Ramkumar,	24.08.2020	National	202041036283 A (Published in Gazette -11.09.2020)

3	Deep Learning Based Yoga Pose Assessment System	Dr.L.Ganesan, Dr.K.Vijayalakshmi, Dr.M.Kaliappan, Mr.R.Venkatesh, Mr.K.Vignesh Saravanan, Kata Bharat	23.10.2020	National	Filed
4	An Artificial Intelligence based Solar Powered Glove with Gestures for Deaf and Dumb	Dhiman, Gaurav , Gomathi S, Arora, Vinay, Singh, Krishna Kant, Vimal S., Kaliappan M, Singh Akansha , Soni Mukesh, Kaur Amandeep , Saxena Deepika	13.11.2020	International	2020103425 International Country: Australia

h-index and Citations

The h-index and citations value of department and the faculty members are represented in the Figure 1.

h index	4.00
Publications	24.00
Citations	58.00
Crossref Citations	41.00

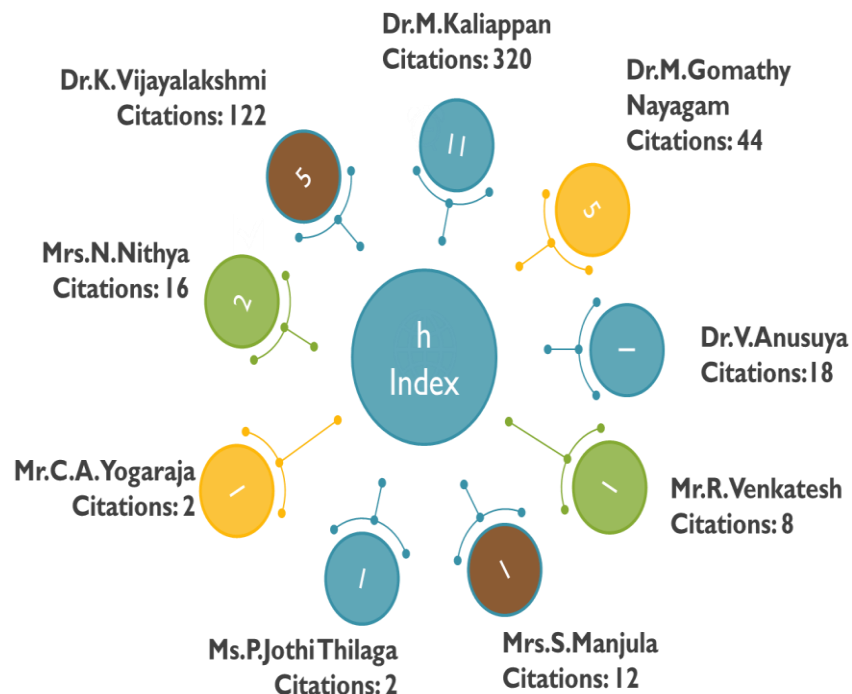


Figure 1: h-index and citation count

Project Proposals :

S. No.	Academic Year	No. of Proposals Submitted		
		DST	FAER	TNSCST
1.	2019-2020	1	-	3
2.	2020-2021	5	9	-

Project Proposals Submitted

S. No.	Name of the Faculty Member	Title of the Project	Date of Submission	Submitted to	Current Status	Amount in Rs.
1	Dr.S.Rajakarunakaran Dr.M.Kaliappan Dr.P.Suresh Kumar Dr.R.Periyasamy, NIT, Tirchy Dr.U.Kumaran	Artificial Intelligence Enabled Anti-Drone with Observation Head for Destroying Propeller of Drone by Non-Newtonian Fluid Ball	11.11.2020	DST	Submitted	24,38,82

2	Dr.L.Ganesan Dr.K.Vijayalakshmi Mrs.N.Nithya Dr.G.Arun, Consultant, Sarojini Surgical Nursing Home	Unified Point of Care Device for Diabetic Management	11.11.20 20	DST	Submitted	16,25,849
3.	Dr.K.Vijayalakshmi Dr.M.Kaliappan Mrs.B.Vijayalakshmi	Traffic flow prediction to Improve fuel efficiency and traffic data management for exascale computing in smart cities	19.11.20 20	National Supercomputing Mission (NSM)	Submitted	10,79,600
4.	Dr.M.Kaliappan, Dr.K.Vijayalakshmi, Dr.P. Suresh Kumar, Dr.R Periyasamy	Artificial Intelligence enabled IOT based House Hold E- Waste Collection and Forecast System for Sustainable Smart Cities.	30.11.20 20	DST	Submitted	17,91,965
5.	Dr.K.Vijayalakshmi Dr.M.Goamthy Nayagam Mr.T.Chockalingam	"A design of an Integrated solution of IoT with AI based Smart Industrial Waste Water Monitoring and Purification for Agricultural Usage."	30.11.20 20	DST	Submitted	29,62,863

Project Proposals Submitted

Sl. No.	Name of the Faculty Member	Name of the Student	Title of the Project	Date of Submission	Submitted to	Current Status	Amount in Rs.
6	Dr.M.Gomathy Nayagam	M.B.Sridarshini A.S.Harshini	A Design of DNN based Face Detection with Face Mask for Home Security using Edge Computing	29.09.20	FAER	Submitted	13000
7	Dr.M.Kaliappan	C.Jegatha	Autonomous Embedded- based Drones Detection and Tracking System using Deep YOLO	05.10.20	FAER	Submitted	35,000

8	Ms.P.Jothi Thilaga	K.Sathya Prakash	A modern approach for diagnosis of eye diseases using Machine Learning Algorithms	06.10.20	FAER	Submitted	-
9	Mrs.B.Vijayalakshmi	R.Aravindh M.Sivabalan Nanneboina Sumanth Santhosh	Smart Irrigation System based on Weather Prediction Data using Deep Learning	09.10.20	FAER	Submitted	30000
10	Mrs.N.Nithya	B.Aswini G.Rahini P.Shalini P.Shanthi Priya	COVID-19 Patient Health Prediction using Big Data Analytics	09.10.2020	FAER	Submitted	40000
11	Mrs.M.Swarna Sudha	P.Sangeetha R.K.Yuvashri	Talking ATMs Designed for Visual Impaired	12.10.2020	FAER	Submitted	20700
12	Mrs.S.Manjula	K.Priyadharsini S.Sujitha	AI based Polling System	12.10.2020	FAER	Submitted	12900
13	Mr.K.Vignesh Saravanan	A.Esakki Raja S.Mohan Babu S.Mohan Kumar S.Suryakumar	Automated Smart Agriculture for farming using IoT	12.10.2020	FAER	Submitted	22000
14	Dr.V.Anusuya	V.Sudarsana Ramji	Visualization of 3D objects in education using Augmented reality	12.10.2020	FAER	Submitted	20,000

Faculty achievements

Dr.V.Anusuya & Mr.K.Vignesh Saravanan received certificate of completion with distinction for the IUCEE course on “Online Teaching”.



Ph.D. Awarded Faculty Members

Two faculty members were awarded Ph.D. degree in the month of September 2020.

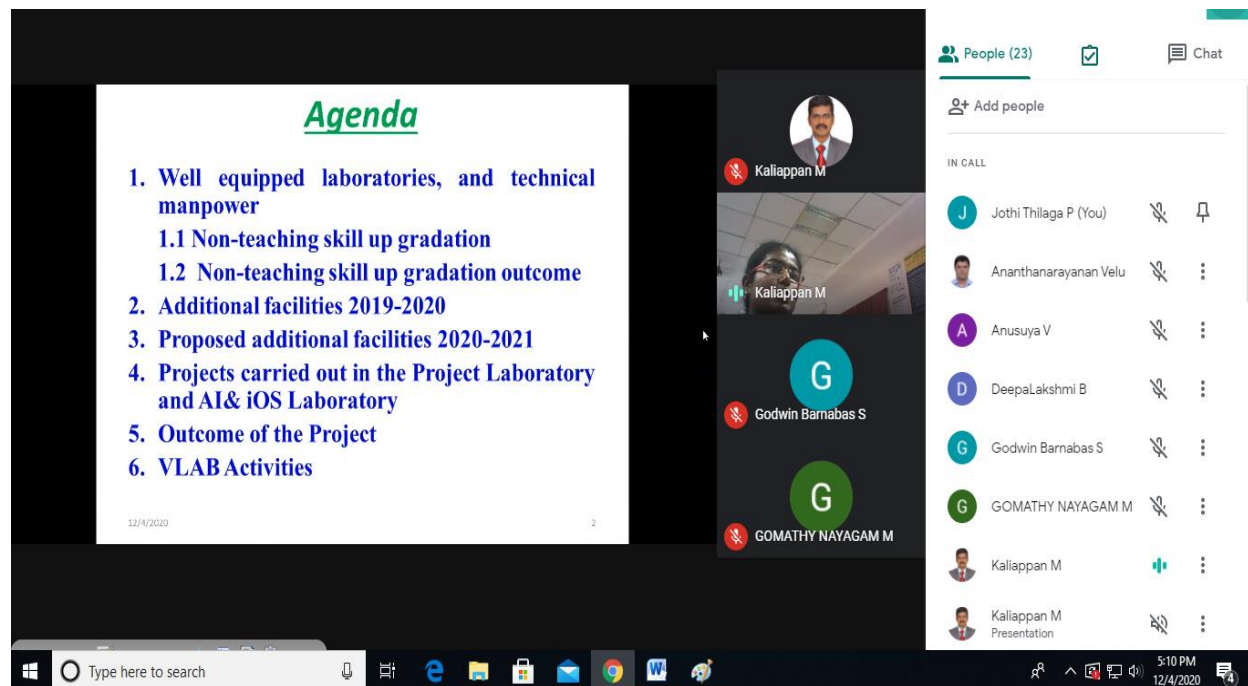
S. No.	Name of the Faculty	Name of the Supervisor	Registration Number	University	Title of the Research work	Date of Completion
1.	Mr.M.Gomathy Nayagam	Dr.K.Ramar	131548 9308	Anna University	Investigation on Automated Object Detection and Tracking for Cloud Stored Video Data	14.09.20
2.	Mrs.V.Anusuya	Dr.V.Srinivasa Raghavan	201074 0127	Anna University	Certain Investigations on Medical Image Compression using wavelet Transform techniques.	27.09.20

Ph.D. Registered Faculty Member

S. No.	Name of the Faculty Member	Title of the Research Work	University	Registration Date
1.	Mrs.S.Manjula	Data Security in cyber space with blockchain and AI	Anna University, Chennai	November2020

8. Facilities and Technical Support

Presenter: Mrs.S.Manjula, AP/CSE



The screenshot shows a Zoom meeting interface. On the left, a presentation slide titled "Agenda" is displayed with the following content:

- 1. Well equipped laboratories, and technical manpower**
 - 1.1 Non-teaching skill up gradation
 - 1.2 Non-teaching skill up gradation outcome
- 2. Additional facilities 2019-2020**
- 3. Proposed additional facilities 2020-2021**
- 4. Projects carried out in the Project Laboratory and AI& iOS Laboratory**
- 5. Outcome of the Project**
- 6. VLAB Activities**

The slide also shows the date "12/4/2020" and a page number "2". On the right side of the Zoom window, a list of participants is visible under the heading "People (23)". The participants listed are:

- Kaliappan M
- Kaliappan M
- Godwin Barnabas S
- GOMATHY NAYAGAM M
- Jothi Thilaga P (You)
- Ananthanarayanan Velu
- Anusuya V
- DeepaLakshmi B
- Godwin Barnabas S
- GOMATHY NAYAGAM M
- Kaliappan M
- Kaliappan M Presentation

The Windows taskbar at the bottom shows the time as 5:10 PM on 12/4/2020.

Facilities and Technical Support by Ms.S.Manjula

Suggestions given by members in the DAC meeting II

- Individual Project for final year students
- Apply patent from students project

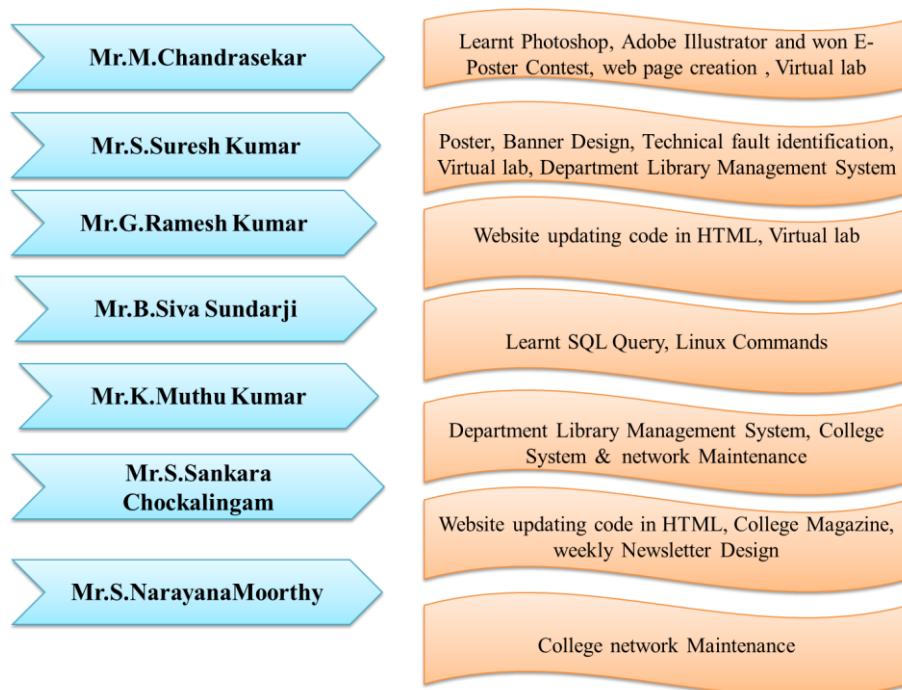
In the DAC meeting 3 the following suggestions were improved and the students of 2016-2020 Batch done 42 Individual projects and the students' innovative and notable projects are applied for patent.

Contents Discussed in DAC III

1. Well-equipped laboratories, and technical manpower
 - 1.1 Non-teaching skill up gradation
 - 1.2 Non-teaching skill up gradation outcome
2. Additional facilities 2019-2020
3. Proposed additional facilities 2020-2021
4. Projects carried out in the Project Laboratory and AI& iOS Laboratory
5. Outcome of the Project
6. VLAB Activities

1. Well equipped laboratories, and technical manpower (2019-2020)

Total number of systems in each laboratory and weekly utilization of the laboratory in the academic year 2019-2020 is discussed. Each laboratory is maintained with the technical staff and the up gradation and the outcome of of the technical staff for the academic year is presented.



2. Additional facilities (2019-2020)

In the year 2019-2020 the total cost spent for the additional facility is Rs. 29, 63,911. The facility is used in the following areas such as Android and iOS app development, Machine Learning, Artificial Intelligence, Augmented reality, Gaming, IOT related Projects, Simulation of protocols. The outcome of the facility includes publication of 3 conferences, 1 journal, 2 patent and 2 in progress.

3. Proposed Additional facilities (2020-2021)-

In the year 2020-2021 the total cost estimated for the additional facility is Rs.14, 36,900.

Facility Proposed:

- LoRaWAN Kit, LAN turtle –hak5, Packet squirrel, USB rubber ducky, Neural computing stick, Drone, Raspberry Pi 4 Model B, HPE ProLiant Easy Connect ML110 Managed Hybrid Server, Alexa, Webcam

Reason for creating facility

- Practical for CS8081- Internet Of Things and CS8091- Big Data Analytics subject.
- To deploy industrial level LoRa and IoT solutions and practical application, project, product development and make the Internet of Things a reality.

- Practical for CS8074-Cyber Forensics and IT8073 Information Security subjects and Penetration Testing
- To expose the First Year students to the IoT environment
- To develop projects and product for data analytics by the students and maintain college ERP.
- To develop project/ product of IOT based Projects with Alexa by the students

4. List of projects carried out in the Project Laboratory and AI& iOS Laboratory (2018-2019 & 2019-2020)

Academic Year (2018-2019)		
S.No	Area of project	Total
1.	Image and Video	4
2.	Data Mining	3
3.	Data Analytics	1
4.	IOT	1
5.	Web Technology	5
6.	Artificial Intelligence	3
7.	Mobile Technology	2

Academic Year (2019-2020)		
S. No	Area of project	Total
1.	Block Chain	1
2.	Data Mining and AI	1
3.	Web Technology	5
4.	Mobile Technology	15
5.	Cyber Security	1
6.	Cloud Computing	2
7.	Cyber Security and AI	1
8.	AI	9
9.	AI and Data Analytics	2
10.	Mobile Technologies	1
11.	IoT and AI	1
12.	IoT	1
13.	IoT and Data analysis	1

Compare to the academic year 2019-2020 many students explored the project area in various domains.

5. Outcome of the Project

International Patent-1, Patent-1, Patent in progress-2, Journal Publication- 3, Conference Publication-13

6. VLAB Activities

The VLAB experiments done from the following Institute: Fundamentals of Computer Networks Lab – IIT Bombay, Computer Graphics Lab - IIIT Hyderabad, Data Structures - IIIT Hyderabad, Software Engineering Lab-IIT Kharagpur, Cryptography Lab – IIIT Hyderabad, Basics of HTML – IIT Delhi, Computer Programming Lab – IIIT Hyderabad. In PALS-VLAB experiential learning report Ramco Institute of Technology secured I position in the usage of VLAB.

The screenshot shows a Zoom meeting in progress. The main window displays a presentation slide with the following data:

S.NO	COLLEGE NAME	Number of Trainings Conducted	Number of Faculty Trained	Number of Students Trained	Number of Experiments Covered
1	RAMCO INSTITUTE OF TECHNOLOGY	6	510	1916	165
2	MEPCO SCHLENK ENGINEERING COLLEGE	14	85	1556	64
3	KCG COLLEGE OF TECHNOLOGY	4	84	1521	53
4	RAJALAKSHMI INSTITUTIONS	8	114	1235	53
5	SRI VENKATESWARA COLLEGE OF ENGINEERING	9	372	973	176
6	SRI SAI RAM ENGINEERING COLLEGE	5	216	809	70
7	NATIONAL ENGINEERING COLLEGE	9	102	914	28
8	SRM INSTITUTE OF SCIENCE AND TECHNOLOGY	4	39	727	20
9	NANDHA ENGINEERING COLLEGE	14	151	590	55
10	M.A.M. COLLEGE OF ENGINEERING AND TECHNOLOGY	7	52	587	24
11	VIVEKANANDHA COLLEGE OF ENGINEERING FOR WOMEN	6	36	593	30
12	KPR INSTITUTE OF ENGINEERING AND TECHNOLOGY	10	106	184	35
13	KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY	10	113	39	32

The chat window on the right shows a list of participants (172) and a chat message with links to W3Schools.com resources.

Suggestions given by the DAC Members:

Encourage the students to learn programming languages like GO, Rust and also do project on open source tools, framework, React JS.

9. Budget

Presenter: Dr.V. Anusuya, AP(SG)/CSE

The screenshot shows a Zoom meeting with a presentation slide. The slide content is as follows:

Ramco Institute of Technology
 Department of Computer Science and Engineering
 DAC Meeting-3
 NBA-Criteria 10
 Dr.V.Anusuya
 Assistant professor(Senior Grade)
 Ramco Institute of Technology

The right side of the screenshot shows a list of participants in the meeting:

- Kaliappan M
- Jothi Thilaga P (You)
- Ananthanarayanan Velu
- Anusuya V
- DeepaLakshmi B
- Godwin Barnabas S
- GOMATHY NAYAGAM M
- Kaliappan M
- Kaliappan M Presentation

Budget by Dr.V.Anusuya

Contents Discussed in DAC III

- Budget Preparation and Approval Process
 - Adequacy of budget allocation
 - Utilization of Allocated funds
- Budget for the years 2019-2020,2018-2019,2017-2018,2016-2017
- Purchase procedure in our institution
- Program specific budget allocation and utilization
- Proposed budget 2020-2021

Budget Preparation and Approval Process

In the beginning of every academic year, the department budget is prepared under the heads of Capital Goods, Recurring Items, Research and Development (R&D), Training and Travel (Faculty and students) and miscellaneous Expenses. Every year budget is prepared and collected from various in charges and faculty coordinator of Extracurricular and curricular activities, training and placement coordinator. The allocation & adequacy of the budget is discussed in the department review meeting. It is submitted by the Head of the Department to the Principal through Deputy General Manager-Administration (DGM-A) followed by the Vice Principal. The proposed budget for each department is discussed in the College Academic Committee (CAC) meeting. The Principal recommends the budget to the Chief Executive Officer (CEO) & the Chairman for approval. Budget preparation and approval process is shown in the figure 1.1

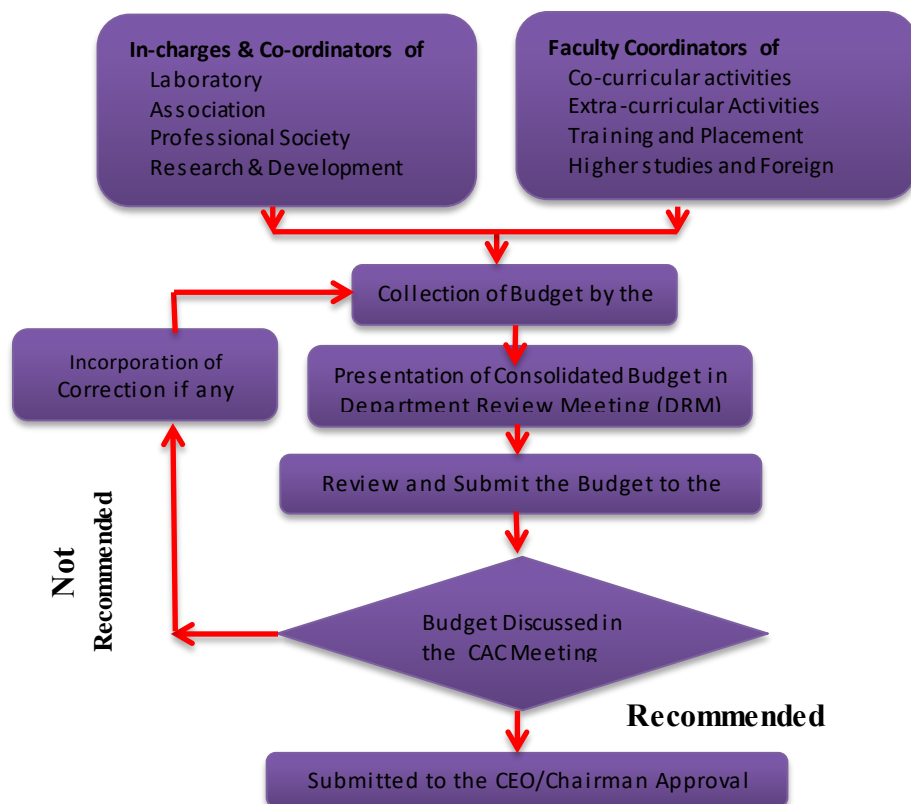


Figure 1.1 Budget Preparation and Approval Process

Table 1.1 Adequacy of Budget Allocation

Sl. No.	Assessment Year	Budget Requested in Rs.	Budget Allotted in Rs.	Actual Expenditure in Rs.	Adequate/ Non Adequate	Percentage of (Budget Requested vs Allotted)
1.	2019-2020	1685000	16,37,916	6,42,303.75	Adequate	97.21
2.	2018-2019	3050000	29,50,939	25,08,669.30	Adequate	96.75
3.	2017-2018	345000	3,28,762	2,98,458.07	Adequate	95.29
4.	2016-2017	4060000	39,75,979	34,38,017.68	Adequate	97.93

Table 1.2 Utilization of Allotted Funds

Sl. No.	Assessment Year	Budget Allotted in Rs.	Actual Expenditure in Rs.	Percentage of Utilization
1	2019-2020	16,37,916	6,42,303.75	43.13%
2	2018-2019	29,50,939	25,08,669.30	85.01%
3	2017-2018	3,28,762	2,98,458.07	90.78%
4	2016-2017	39,75,979	34,38,017.68	86.47%

2. Budget preparation in different head are discussed, Example budget heads for the year 2019-2020 are shown in Figure 2.1

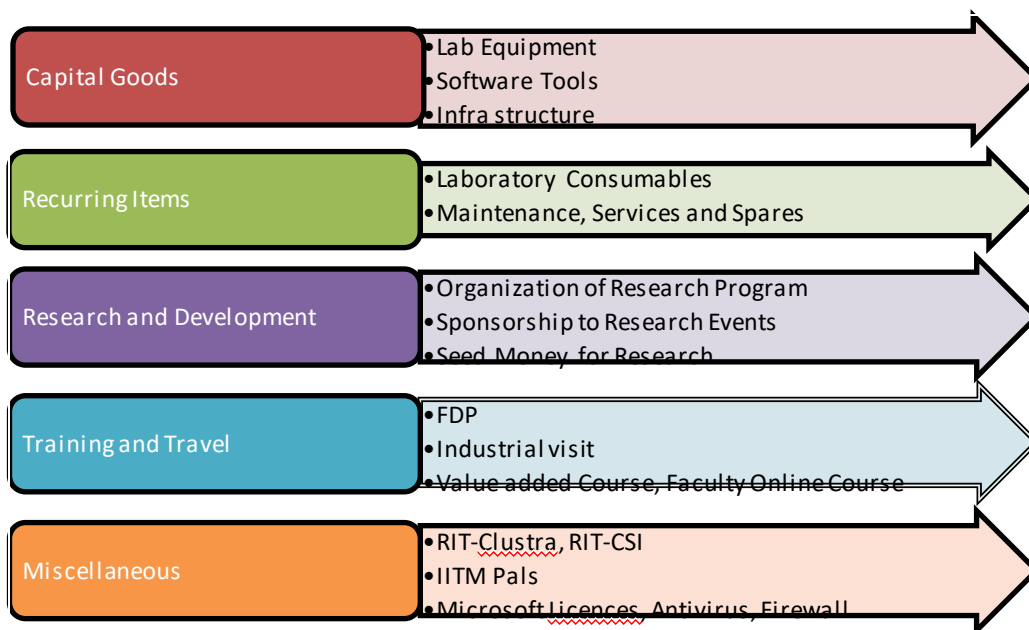


Figure 2.1 Budget

Purchase Procedure in our Institution

On receiving the Chairman approval, the allocated fund is utilized under the following heads, are done with the support of purchase committee.

- Capital and Consumable Items.
- Annual Maintenance Contract.
- Co-curricular and Extra-curricular Activities.
- Research and Development.
- Training and Travel.
- Miscellaneous Expenses.

The purchase committee is constituted with Principal, DGM (A), Accountant and concern HOD/ concern Department In-charge/Librarian/P.Ed., for purchasing capital items, consumable items and other general purchase related things of the institution

4. Program specific budget allocation and utilization

Program specific budget for every year and also calculated expenditure per students as shown in Table 4.1

Table 4.1 Program Specific Budget Allocation

<u>For CFY (2019-2020)</u>				
Total Budget:1637916		Actual expenditure (till 19.12.2019): 706374		Total No. of students:208
Non recurring	Recurring	Non Recurring	Recurring	Expenditure per student
2,00,000	14,37,916	1,96,057	5,10,317	3396.03
<u>For CFYm1(2018-2019)</u>				
Total Budget: 2950939		Actual expenditure (till : 2508669.3)		Total No. of students:210
Non recurring	Recurring	Non Recurring	Recurring	Expenditure per student
11,63,197	17,87,742	10,04,747	15,03,922	11946.04
<u>For CFYm2(2017-2018)</u>				
Total Budget: 328762		Actual expenditure: 298458.07		Total No. of students:219
Non recurring	Recurring	Non Recurring	Recurring	Expenditure per student
11897	316865	11272	287186	1362.82
<u>For CFYm3(2016-2017)</u>				
Total Budget: 3975979		Actual expenditure :3438017.68		Total No. of students:231
Non recurring	Recurring	Non Recurring	Recurring	Expenditure per student
3103116	8,72,863.00	2638211.18	7,99,807	14883.19

Budget 2020-2021

Budget Proposed in each head for the Academic year 2020-2021 are shown in Figure 5.1

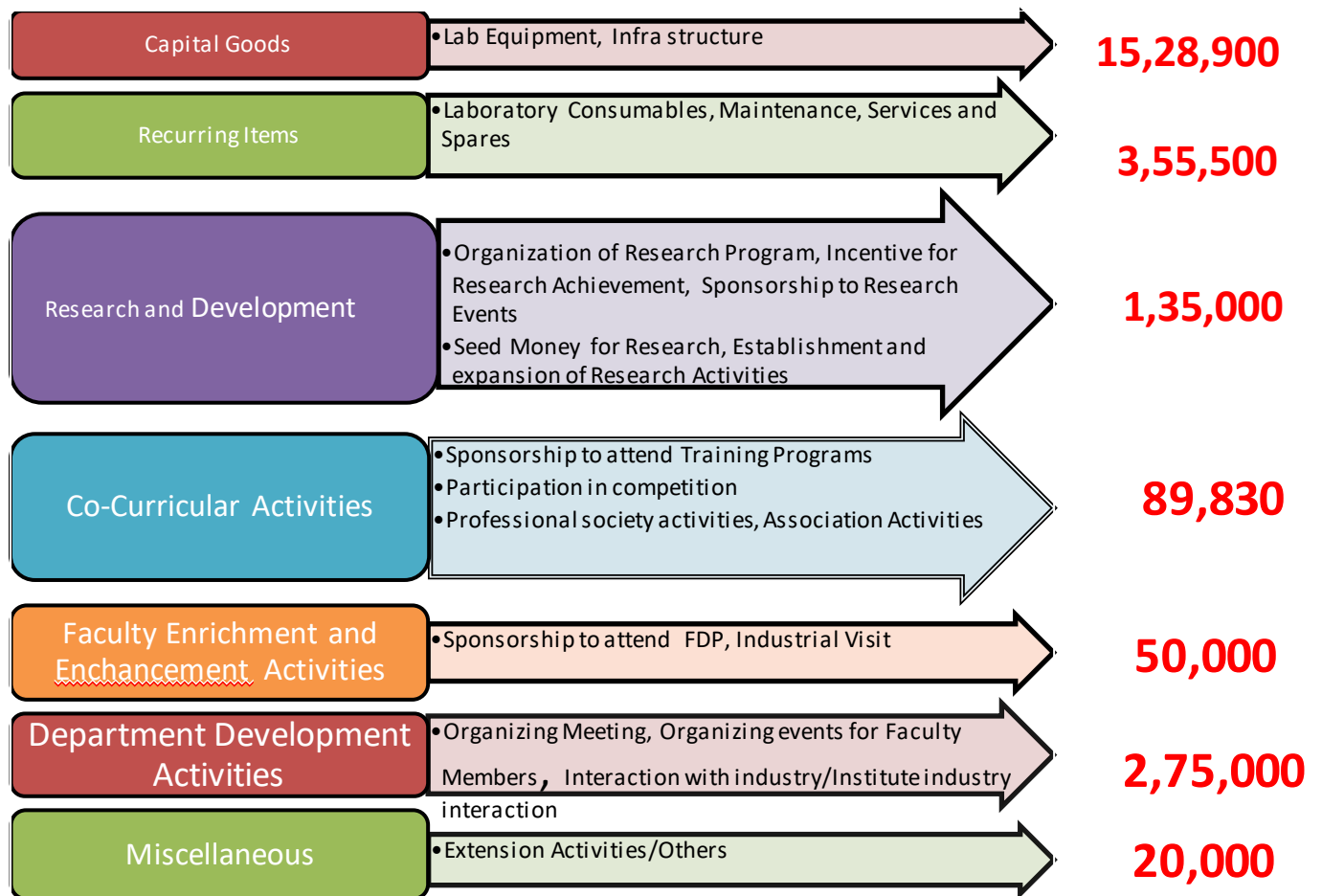
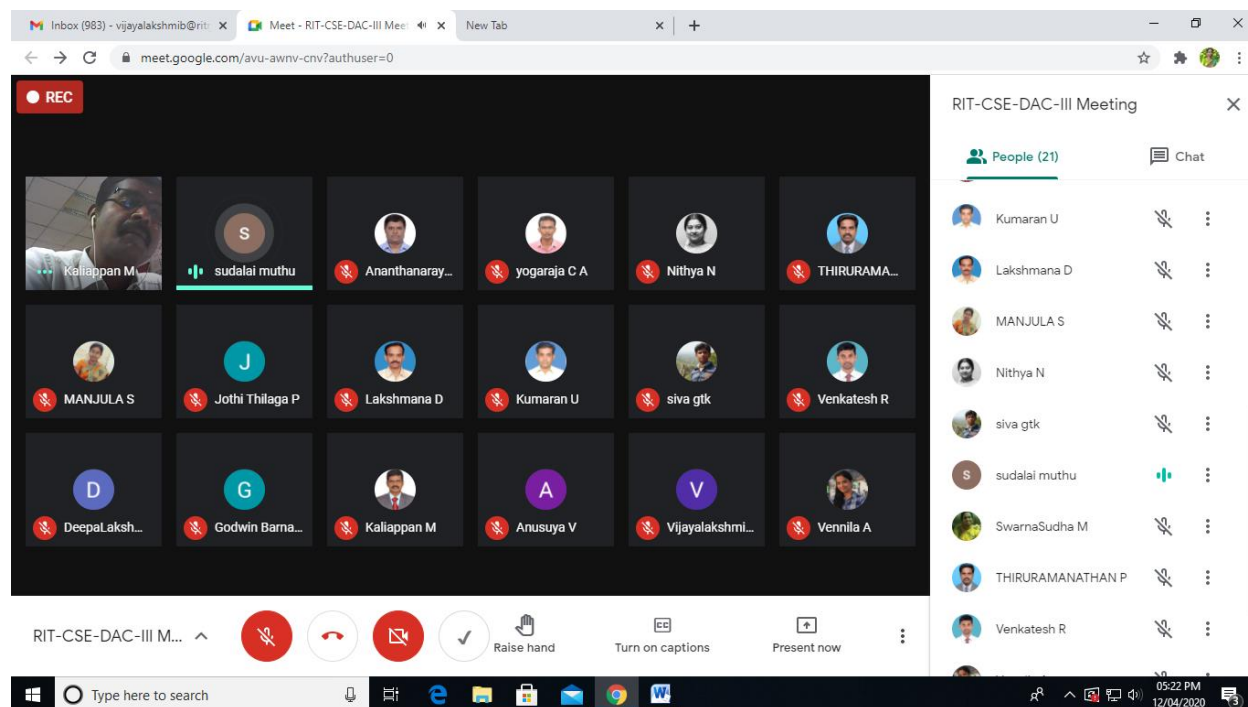


Figure 5.1 Budget Proposal 2020-2021

10.Feedback from DAM members



Feedback by DAC members

Table: Feedback by DAC members

sno	Suggestions by DAC members
1	<p>Mr. Sudalai muthu congratulated all the faculty members and department for following a lot of best practices such as LMS, Mentimeter to improve the teaching-learning process.</p> <p>He suggested the following do's in project</p> <ul style="list-style-type: none"> • DevApps for software lifecycle • Implement Test cases • Agile model • User stories to technical solution • Team collaboration for work home <p>He also suggested that students may use serverless projects, open-source projects for enterprises, cloud platforms like Azure, Amazon.</p> <p>He advised the students to learn GO and REST language for software development and to develop their own product.</p>
2	

	<p>Dr.V.Anantha Narayanan praised the activities carried out by department such as the teaching-learning process, professional societies, Industry-Institute interaction, project, MoU, patent, and publications.</p> <p>He suggested that to develop a catchy webpage regarding students and department achievements to attract the students, parents, and industry.</p> <p>He advised that to prepare a video profile in English and local language for the department includes best practices of CSE department and success stories of alumni for promotional activities.</p> <p>He also suggested that preparing a compact department broucher that highlight achievement and best practices.</p> <p>He advised the students to create an account in Github and posted their projects. Also, he suggested creating an intranet repository for storing previous student projects.</p>
3	Alumni Ms. Vennila suggested that second students can use open source to develop project and posted it in Github. Also,she suggested that final students has to use frameworks like AngularJS, ReactJS, Dejango and EmberJS.
4	Dr. S.Godwin Barnabas suggested writing books with a reputed publisher
5	Dr.B.Deepalakshmi suggested to improve salary package and interdisciplinary project
6	<p>Dr. Dr P Thiruramanathan suggested disseminating the DAC-III presentation to parents and students to know the CSE department activities.</p> <p>Also, he suggested that to develop the in-house projects to make paperless work.</p>
7	Ms.S.Manjula extended the Vote of Thanks for all the members for attending the third DAC meeting with a request to provide long-term support for the prospective development of the department in all means.



RAMCO INSTITUTE OF TECHNOLOGY

Approved by AICTE, New Delhi & Affiliated to Anna University

An ISO 9001: 2015 Certified Institution

NAAC Accredited



Department of Electrical and Electronics Engineering

Ref.: Department Advisory Committee Meeting/2020-21/Odd Semester/3

Date: 21.11.2020

Minutes of the Meeting of Department Advisory Committee Meeting - III

The 3rd Department Advisory Committee Meeting for the AY 2020 – 21 (Odd Semester) was conducted on 21.11.2020 (Saturday) from 03.30 PM to 5:30PM through Google Meet.

The meeting was convened with the following agenda:

1. Review of previous Department Advisory Committee Meeting – II
2. Teaching and Learning Process
3. Laboratory
4. Course Outcomes and Program Outcomes
 - a. Assessment Methods,
 - b. Attainment of Cos, POs, PSOs with program effectiveness
 - c. Action taken for outcome attainment
 - d. Correctiveness and preventiveness
5. Students Performance
6. Department and Industry Interaction
 - a. Industry projects
 - b. Publication with industry
 - c. MoUs
7. Students feedback related to teaching and learning, Training and Placement Progress, Feedback from Recruiters and Employers
8. Alumni Interaction and Contribution
 - a. Feedback received from the Alumni
9. Faculty contribution
 - a. Participation
 - b. Publication – Conference / Journal / Book Chapter
 - c. Patent & Copy rights
 - d. Research Proposals
10. Activity leads to Quality improvements

The members were present in the meeting are given below.

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<p>Members present:</p> <ol style="list-style-type: none"> 1) Mr.A.Govindasamy – Senior Member of Technical Staffs, Advanced Micro Devices(AMD) Pvt.Ltd., Bengaluru. (Industry Member) 2) Mr.S.M.Mahesh, Senior DGM – E&I, The Ramco Cements Limited, R.R. Nagar (Industry Member) 3) Dr. B.V.Manikandan, Senior Professor Department of EEE, Mepco Schlenk Engineering College, Sivakasi. (Academic Member) 4) Mr.P.Premkumar, Test Engineer, Tessolve Semiconductor Pvt.Ltd., Bengaluru (Alumni Member) 5) Mr.K.Subramaniam Graduate Engineer Trainee (Electrical), Rajapalayam Mills Limited, Rajapalayam (Alumni Member) 	<p>Internal Members from RIT</p> <ol style="list-style-type: none"> 1. Dr.S.Kannan, Prof & Head / EEE. 2. Dr.K.Karthikeyan, ASCP/EEE 3. Mrs. M. Swarna Sudha, AP(SG)/CSE 4. Mr. K. Subramanian, AP(SG)/Maths 5. Dr.N.Revathi, AP(SG)/Chemistry <p>Faculty Members – Dept. of EEE, RIT</p> <ol style="list-style-type: none"> 1) Mr.D.Karthik Prabhu, AP(SG) 2) Mr.N.Ganesh, AP(SG) 3) Mr.E.Thangam, AP(SG) 4) Mr.A.Arun Kumar, AP 5) Mr.S.Meenakshi Sundaravel, AP 6) Mr.A.S.Vigneshwar, AP 7) Mrs.S.Jeyanthi, AP 8) Ms.S.Sharmila Kumari, AP 9) Mrs.G.Sivapriya, AP 10) Mr.A.Guna, AP
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Sl. No.	Agenda	Target Date	Points discussed	Responsibility
1.	Dissemination of Vision, Mission, PEO and PSO	Completed	Dr.S.Kannan, Professor and Head/EEE presented the Vision, Mission, POs, PEOs and PSOs of the department.	-----
2.	Review of previous Department Advisory Committee Meeting – II	Completed	Dr.K.Karthikeyan, ASCP/EEE. presented the minutes of second Department Advisory Committee Meeting. The implementation of suggestions given by the advisory committee members in the previous meet was reviewed by the members. He also presented the quality objectives of the department for the academic year 2019 – 2020.	All the NBA Criteria Coordinators and faculty members
3.	Teaching and Learning Process (TLP)	Continuous	Innovative practices followed in TLP, Curriculum gap identification, content beyond syllabus, student's feedback were summarized by Mr.S.Meenakshi Sundaravel, AP(SG)/EEE. <ul style="list-style-type: none"> • The list of innovative practices followed along with the methods and ICT tools were described by him. "Learning Management System – Canvas is practiced in the department" said Mr.S.Meenakshi Sundaravel. • The unique delivery methods in the department is divided as "active learning, passive learning, collaborative learning and e-learning" said 	All the faculty members & Virtual Lab Coordinator

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			<p>Mr.S.Meenakshi Sundaravel</p> <ul style="list-style-type: none"> • He also presented the method of transparent evaluation using scheme of evaluation, rubrics, online quizzes and central evaluation. • He also presented about Mini and Main project review. He explained that the industrial experts will be called for second project review. • The establishment of additional laboratories and virtual laboratory utilization was also presented by Mr.S.Meenakshi Sundaravel, AP(SG)/EEE. He explained the completed activities and planned activities related to V-labs. 	
4.	Course Outcomes, Program Outcomes and Program Specific Outcomes	Continuous	<p>Mr. E. Thangam, AP(SG)/EEE presented the overview of the assessment methods. CO-PO attainment for 2016-2020 batch calculation was explained to the members.</p> <ul style="list-style-type: none"> • Course Exit survey is newly included and calculated for both Theory & Practical from 2019-20 batch with a weightage of 10%. • 40% weightage for IAT, 60% weightage for university contributes to 90% of CO attainment along with 10% weightage from CES. • The calculation of threshold/Target for the upcoming semester which is calculated by taking the maximum value of current, previously set target value in previous academic years. was explained to the DAC-Members • The Alumni Exit survey & Program exit survey were collected via online mode. The collected survey was given 10% weightage each totaling 20% Weightage. • The CO attainment is correlated with mapping to obtain the PO-PSO attainment for each Attributes. The number of subjects mapping the program outcomes were discussed. • The program outcomes & Program Specific Outcomes are determined by taking 80% weightage from Subject attainment and 20% Weightage from PES, Alumni surveys. • The corrective actions taken to improve the attainment were discussed by Mr. N. Ganesh, AP(SG)/EEE. 	All the faculty members
5.	Students Performance	Continuous	<p>Mr.A.S.Vigneshwar, AP(SG)/EEE. presented the following points.</p> <ul style="list-style-type: none"> • Results attained by the students during 2019-2020 (Odd Semester) – 70.91% (117/165) and Even 	All the student members, subject handling

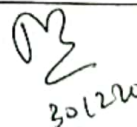


	Progress, Feedback from Recruiters and Employers		<p>Fundamental of core subject, GD & Mock Interviews, Continuous skill rack practice, quizzes, GATE coaching and class for critical thinking training given to II, III and IV year students.</p> <ul style="list-style-type: none"> • Company specific training like TCS NQT, Mock GD, Mock Interview for Kaar Tech, Embed UR, and Vuram Tech. • 2 Webinars conducted • Opportunity from 16 companies has been given to the students, out of which 7 core companies, 5 IT companies and 4 training companies. • 48 students placed in 2019-2020 • Collective recruiters (Ramco Systems, Ramco Cements, Tessolve Semiconductor, UCAL Fuel Systems, Accurate Steel Forging, ETHNUS, and SMART) feedback and the action taken • Employers' feedback (Ramco Systems, Ramco Cements, Harita Techserv, UCAL Fuel Systems and Accurate Steel Forging) and the action taken towards their valuable suggestions. • The scheduled future ON and OFF campus drives (Tech Volt Software, Coimbatore – Internship cum Placement, AVA Soft Technologies, Chennai, (NI) – Certified LabVIEW Associate Developer (Clad), WIPRO ELITE 2021, 8K Miles Software, Chennai, Caliber Interconnect Solutions, Sure Soft Systems, Puducherry, Sri Moogambika Info solutions, Madurai, ZOHO corporations, Chennai). 																	
8.	Alumni Interaction and Contribution	Continuous	<p>Dr.K.Karthikeyan, ASCP)/EEE. shared the following contribution details of the Alumni over the period.</p> <table border="1" data-bbox="592 1406 1305 2020"> <thead> <tr> <th colspan="4">Alumni Contribution Details</th> </tr> <tr> <th>S.No.</th> <th>Date</th> <th>Alumni details</th> <th>Topic Discussed</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>17.08.19</td> <td>Mr.M.Muralikumar, Engineer, Firmware Design and Development Data Patterns Pvt.Ltd, Chennai. (2013 – 2017)</td> <td>Real World Signal Processing Applications and importance of Digital Signal Processing</td> </tr> <tr> <td>2.</td> <td>20.09.19</td> <td>Mr.R.Pranav Karthick, Embedded System,</td> <td>TVS Harita Projects</td> </tr> </tbody> </table>	Alumni Contribution Details				S.No.	Date	Alumni details	Topic Discussed	1.	17.08.19	Mr.M.Muralikumar, Engineer, Firmware Design and Development Data Patterns Pvt.Ltd, Chennai. (2013 – 2017)	Real World Signal Processing Applications and importance of Digital Signal Processing	2.	20.09.19	Mr.R.Pranav Karthick, Embedded System,	TVS Harita Projects	Alumni coordinator
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			<p>Engineer, Harita Techserv Ltd., Coimbatore (2015 – 2019)</p> <ul style="list-style-type: none"> Delivered the inferences received from the Alumni feedback analysis from 64 Alumnus. The key feedback from the alumnus about the institute are Good Infrastructure, Food provided in hostel, way of teaching, Online course practice and Rules and regulations followed in the campus 	
9.	Faculty contribution	Continuous	<p>Mr.A.Arun Kumar, AP/EEE. addressed the following faculty contribution</p> <ul style="list-style-type: none"> Improvement of student faculty ratio in the AY 2020-2021 through the recruitment of two faculty members to the department. Presented the faculty participation in webinar, quiz, FDP, STTP and online courses for the AY 2019-20 and AY 2020-2021 till November. Highlighted the paper publication (4 Journal papers, 1 article, 13 conference papers) 4 Patents Drafting Proposal submitted in DST-WMT (1), FAER (2). Further, Presented the steps taken to improve Research & Development activities of the department. <p>Ref.: Academic Year Wise Faculty Participation & Research and Developmental activities are listed out in the website https://www.ritrijpm.ac.in/departments/electrical-electronics-engg/electrical-electronics-engg-program-organized-program-participation.php https://www.ritrijpm.ac.in/departments/electrical-electronics-engg/electrical-electronics-engg-research-and-development.php</p>	All the faculty members & RIT RC member
10.	Activity leads to Quality improvements	Continuous	<p>Mr.N.Ganesh, AP(SG)/EEE presented the activities that lead to quality improvement</p> <p><u>Based upon the Project work</u></p> <ul style="list-style-type: none"> Among the 20 projects done by the students,3 are identified as patentable. Industry experts are invited as panel member to review the students VIII semester project and their projects are reviewed in industrial perspective Project Ongoing on AICTE challenge on Microprocessor <p><u>Based upon the Online course</u></p> <ul style="list-style-type: none"> All the faculty members and students utilized free 	Department of Electrical & Electronics Engineering



		<p>coupons to do courses in Edx/Coursera</p> <ul style="list-style-type: none"> • Multi variable calculus course completed and received certificate by all the faculty members • 3 faculty members completed the AICTE basic courses. • Faculty members and students used AICTE free-learning resources on ELIS portal • Students involvement in ICTACT – New India Learnathon 2020 (10 Courses / 30 students), Anna University approved value added courses (1 credit course is conducted) • AICTE – Universal Human Values course completed by 7 faculty members • RIT IUCEE course – 1 faculty member completed • 8 students attended GATE classes conducted by GATE FORUM, Madurai. <p><u>Based upon the Research</u> IWCSET – 2020 Participation – 201, Presentation – 23 and publication – 03</p> <p><u>Based upon the Programs conducted and Others</u></p> <ul style="list-style-type: none"> • ESVC Junior 1.0 for school students (Participation: 36 teams / 360 students and 40 faculty members) • Webinars participation through IITM PALS, TLC of IITM, ICTACT, RIT – IQAC. • All the faculty members and students attended orientation program on OBE Education and Accreditation • Suggestion received from Parents Teachers meeting on 23.02.2020. 		
11.	Members Suggestions for Improvements	Before commencing the next DRM - IV	<p>Dr. B.V.Manikandan, Senior Professor Department of EEE, Mepco Schlenk Engineering College, Sivakasi. (Academic Member)</p> <ul style="list-style-type: none"> • Collection of study materials (Question Bank, Tutorial and Assignment Sheets, Formulae Sheet, hand written notes, etc.) from all the faculty members handling the subjects for the students and giving it as a single bounded material • Checking the profile of the company before approving the internship of the students. • Displaying the project poster of previous batch students to the next batch students. • Setting of pass percentage of the subjects based 	Department of Electrical & Electronics Engineering



on the comparison of the results obtained previously for the same subject.

- Scheme of Evaluation for the Internal Assessment Test may not be necessary.
- Setting of benchmark (10% of the class strength) may not be necessary. Focus can be given on competitive exam to make the students to get admission in IITs, NITs and IIMs.
- Attained calculation can be done by mapping COs and POs. Mapping POs and PSOs may not be necessary.
- Number of Students permitted for industrial projects may be limited.
- Advertisement was not given for achieving 9th rank. If given it may help in increasing the admission.

Mr.S.M.Mahesh, Senior DGM – E&I, The Ramco Cements Limited, R.R. Nagar (Industry Member)

- Checking the profile of the company before approving the internship of the students.
- Number of students pursuing PG in IITs, NITs and IIMs through GATE and CAT should be increased.
- More innovative projects should be done by final year students.

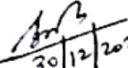
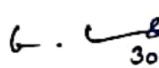
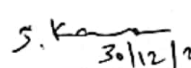

Mr.A.Govindasamy – Senior Member of Technical Staffs, Advanced Micro Devices(AMD) Pvt.Ltd., Bengaluru. (Industry Member)

- Community implementation of technical projects.
- Records for Virtual Laboratory experiments should be maintained

Mr.P.Premkumar, Test Engineer, Tessolve Semiconductor Pvt.Ltd., Bengaluru (Alumni Member)

- More Focus on paid internship in good companies.
- Establishment of E-library for sharing the books to the students.

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		<p>Mrs. M. Swarna Sudha, AP(SG)/CSE</p> <ul style="list-style-type: none"> • During alumni interaction, placed students should discuss with the 2nd and 3rd year students • Achievements of employers should be included in employers' feedback form. <p>Dr.N.Revathi, AP(SG)/Chemistry</p> <ul style="list-style-type: none"> • E-Library should be established. 	
12.	Vote of Thanks	-	Mr.N.Ganesh, AP(SG)/EEE. thanked all the internal and external DAC members attended this meeting.
Prepared by:  30/12/2020 DAC Coordinator (N-GANESH)		Verified by:  30/12/20 NBA Coordinator (K. Kartikeyan)	
		 30/12/2020 HoD EEE [S. KANWAN]	Approved by:  30/12/20 Principal


Copy to:

- 1) Members of DACM
- 2) Faculty members of Mechanical Engineering through e-mail and Canvas Classroom for information and necessary action.
- 3) File

RAMCO INSTITUTE OF TECHNOLOGY
Department of Electronics and Communication Engineering
Department Advisory Committee Meeting-III
List of DAC Members (Revised)

Date: 24.11.2020

Sl. No.	Name of the DAC Members	Affiliation	Position
1.	Mr.Solaikutty Dhanabal	Business Development Manager-Academic Programs, National Instruments India, Chennai.	R&D Member
2.	Mr.K.Moorthi	Director-Business Development, Enthu Technology Solutions India Pvt Ltd, Coimbatore.	Industry Member
3.	Dr.A.Rajeswari	Professor & Head, Department of Electronics and Communication Engineering, Coimbatore Institute of Technology, Coimbatore.	Academic Member
4.	Dr.S.Periyamayagi	Professor & Head. Department of Electronics and Communication Engineering, Ramco Institute of Technology, Rajapalayam.	Convener
5.	Dr.B.Deepalakshmi	Associate Professor, Department of Electronics and Communication Engineering, Ramco Institute of Technology, Rajapalayam.	Co-Convener
6.	Dr.K.Basarikodi	Professor, Department of Mathematics, Ramco Institute of Technology, Rajapalayam.	Internal Member
7.	Dr.M.Kaliappan	Associate Professor, Department of Computer Science and Engineering, Ramco Institute of Technology, Rajapalayam.	Internal Member
8.	Mrs.T.Vigneswari	Assistant Professor (Sr.Gr.), Department of Physics, Ramco Institute of Technology, Rajapalayam.	Internal Member
9.	Mr.B.Kannan	Assistant Professor (Sr.Gr.), Department of Electronics and Communication Engineering, Ramco Institute of Technology, Rajapalayam.	Internal Member
10.	Mr.B.Veeramani Viswanathan,	Hardware Design Engineer, VVDN Technologies, Chennai.	Alumni Member
11.	Mrs.S.Mareeswari	Engineer, Mobiveil Technologies India Private Limited, Chennai.	Alumni Member


 24/11/2020
 HOD/ECE


 24/11/20
 Principal

RAMCO INSTITUTE OF TECHNOLOGY
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
ACADEMIC YEAR 2020 - 2021

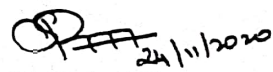
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Date: 24.11.2020

Circular

The third Department Advisory Committee meeting is scheduled on 28.11.2020 (Saturday) from 10.00 AM to 11.30 AM through Google meet. All DAC members and faculty members are invited to attend the meeting. The agenda are given below.

S.No.	Topics to present	Faculty In charge
1.	Welcome Address	Dr.S.Periyanaayagi
2.	Dissemination of Vision, Mission, PEOs and PSOs	Mr.S.Vijayakumar
3.	Review of previous meeting (2 nd DAC) and Review of Quality Objectives	Dr.B.Deepa Lakshmi
4.	Teaching and Learning Process <ul style="list-style-type: none"> • Innovative Practices / Curriculum Gap and Content Beyond Syllabus 	Mr.K.Ragavan Mrs.R.Chitra
5.	Laboratory <ul style="list-style-type: none"> • Additional lab experiments and Virtual Lab 	Mr.B.Kannan Ms.R.Divya
6.	Course Outcomes and Program Outcomes <ul style="list-style-type: none"> • Assessment Methods, • Attainment of COs, POs, PSOs with program effectiveness • Action taken for outcome attainment • Correctiveness and preventiveness 	Mr.A.Azhagu Jaisudhan Pazhani Mr.A.Rameshbabu
7.	Students Performance <ul style="list-style-type: none"> • Result analysis • Internship and Inplant Training • Student participation co-curricular and extra-curricular • Student project • Student achievements 	Mrs.V.SrIREngaNachiyar Mr.R.Deiva Nayagam
8.	Department and Industry Interaction <ul style="list-style-type: none"> • Industry projects • Publication with industry • MoUs 	Mr.G.Sivakumar
9.	Students feedback related to teaching and learning <ul style="list-style-type: none"> • Training and Placement Progress • Feedback from Recruiters and Employers Alumni Interaction and Contribution <ul style="list-style-type: none"> • Feedback received from the Alumni 	Mr.P.Gunasekaran
10.	Faculty contribution <ul style="list-style-type: none"> • Participation • Publication – Conference / Journal / Book Chapter • Patent & Copy rights • Research Proposals 	Mrs.S.Jeeva Mr.D.Gopinath
11.	Activity leads to Quality improvements	Mr.P.Venkatesh
	Any other matters	
12.	Vote of Thanks	Mr.B.Kannan


HOD(ECE)


Vice Principal


Principal

Copy to

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

RAMCO INSTITUTE OF TECHNOLOGY, RAJAPALAYAM.**(Approved by AICTE, Affiliated to Anna University, Chennai)****DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**

Ref.: RIT/Academic/ECE/DAC/2020-2021/01

Date: 14.12.2020

MINUTES OF THIRD DEPARTMENT ADVISORY COMMITTEE MEETING

The Third Department Advisory Committee Meeting was held on 28.11.2020 through an online platform (Google Meet) with the following Agenda.

- Dissemination of Vision, Mission, PEOs, and PSOs
- Review of the previous meeting (2nd DAC) and Review of Quality Objectives
- Teaching and Learning Process
 - Innovative Practices / Curriculum Gap and Content Beyond Syllabus
- Laboratory (Additional lab experiments and Virtual Lab)
- Course Outcomes and Program Outcomes
 - Assessment Methods,
 - Attainment of COs, POs, PSOs with program effectiveness
 - Action is taken for outcome attainment
 - Correctiveness and preventiveness
- Students Performance
 - Result analysis
 - Internship and Inplant Training
 - Student participation in co-curricular and extra-curricular
 - Student project
 - Student achievements
- Department and Industry Interaction
 - Industry projects
 - Publication with industry
 - MoUs
- Students feedback related to teaching and learning
 - Training and Placement Progress
 - Feedback from Recruiters and Employers
- Alumni Interaction and Contribution
 - Feedback received from the Alumni
- Faculty contribution



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- Participation
- Publication – Conference / Journal / Book Chapter
- Patent & Copy rights
- Research Proposals
- Activity leads to Quality improvements
- Any other matters

1. Welcome Address**(by Dr.S.Periyanayagi, HOD/ECE)**

Dr.S.Periyanayagi, HOD/ECE, welcome and introduced the distinguished R&D, Industry, Academic, Convener, Co-Convener, Internal, and Alumni DAC members:

Mr.Solaikutty Dhanabal, R&D Member	Business Development Manager-Academic Programs, National Instruments India, Chennai.
Mr.K.Moorthi, Industry Member	Director-Business Development, Entho Technology Solutions India Pvt Ltd, Coimbatore.
Dr.A.Rajeswari, Academic Member	Professor & Head, Department of Electronics and Communication Engineering, Coimbatore Institute of Technology, Coimbatore.
Dr.S.Periyanayagi, Convener	Professor & Head. Department of Electronics and Communication Engineering, Ramco Institute of Technology, Rajapalayam.
Dr.B.Deepalakshmi, 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.M.Kaliappan, Internal Member	Associate Professor, Department of Computer Science and Engineering, Ramco Institute of Technology, Rajapalayam.
Mrs.T.Vigneswari, Internal Member	Assistant Professor (Sr.Gr.), Department of Physics, Ramco Institute of Technology, Rajapalayam.
Mr.B.Kannan, Internal Member	Assistant Professor (Sr.Gr.), Department of Electronics and Communication Engineering, Ramco Institute of Technology, Rajapalayam.
Mrs.S.Mareeswari, Alumni Member	Engineer, Mobiveil Technologies India Private Limited, Chennai.

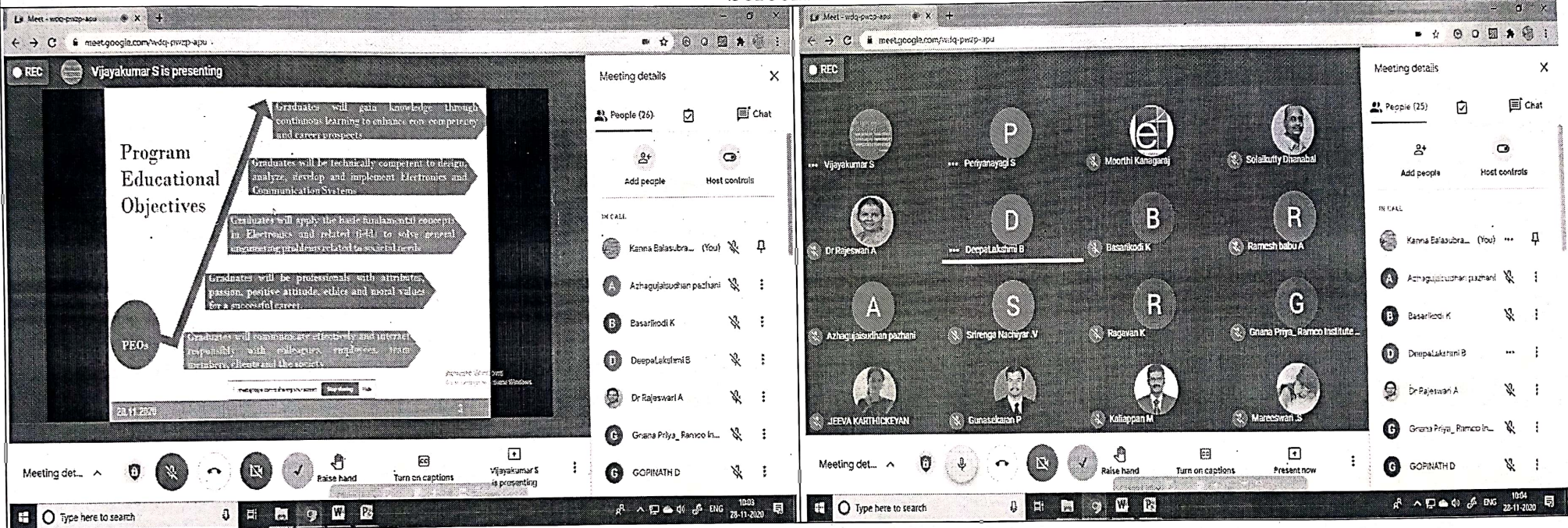
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2. Dissemination of Vision, Mission, PEOs, and PSOs

(by Mr.S.Vijayakumar, AP/ECE)

Points Delivered	Suggestions given by DAC Members	Remarks with Target Date and Responsibility
<ul style="list-style-type: none"> Explained about the department's Vision, Mission, Program Educational Objectives (PEOs), and Program Specific Outcomes (PSOs). 	<p>Nil</p>	<p>NIL</p>

Screenshot



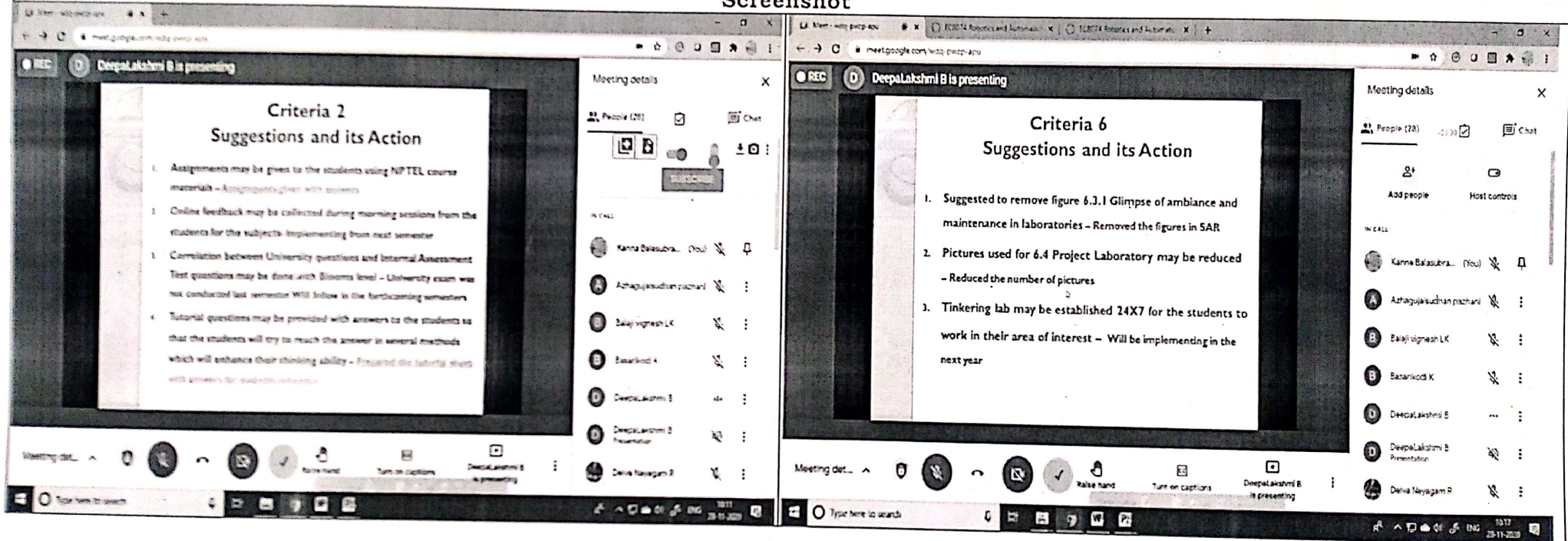
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3. Review of previous meeting (2nd DAC) and Review of Quality Objectives

(by Dr.B.Deepa Lakshmi, Asso. Prof/ECE)

Points Delivered	Suggestions given by DAC Members	Remarks with Target Date and Responsibility
<ul style="list-style-type: none"> Presented the review of the previous DAC II meeting and the quality objectives status report for the Academic year 2019-2020. Presented the implementations as per the suggestions given by the DAC members during the previous meeting. 	<ul style="list-style-type: none"> Project 3rd review marks may be awarded by considering internship, implant training, paper presentation & hackathon. Faculty performance appraisal may be revised by considering TLP and R&D separately. Tinkering lab may be established 24x7 for the students. 	<p>Remarks:</p> <ul style="list-style-type: none"> For Suggestion 1: Planned to implement in the upcoming semester (Batch 2017-2021). For Suggestion 2: Included in the faculty performance appraisal for the Academic Year 2019-2020 Even Semester. For Suggestion 3: Separate tinkering laboratory will create for the students to access the laboratory at any time. <p>Target Date: Januray 2021 Responsibility: Project Co-ordinators, FacultyIn-charge</p>

Screenshot



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4. Teaching and Learning Process

(by Mr.K.Ragavan, AP(Sr. Gr.)/ECE & Mrs.R.Chitra, AP/ECE)

- Innovative Practices/Curriculum Gap and Content Beyond Syllabus

Points Delivered	Suggestions given by DAC Members	Remarks with Target Date and Responsibility
<ul style="list-style-type: none"> Enlightened about the process of identifying the curricular gap from Anna University's curriculum. Shared the Steps taken to get identified gaps included in the curriculum based on the feedback/suggestions received from internal and external stakeholders for the Academic year 2019-20 & 2020-21. Explained innovative practices used by our faculty members for the Academic year 2019-20 & 2020-21 for improving Teaching-Learning Process. Shared the features and utilization of the Learning Management System(LMS) through the canvas. Elaborated about new methods are incorporated for the teaching-learning process based on discussion done in a department meeting and Chairman meeting. Explained the analysis of student satisfaction survey from NAAC and taken the actions based on the student's suggestions. Expounded the process involved in an effective and transparent assessment. 	<ul style="list-style-type: none"> The DAC members suggested to incorporate the GATE Exam questions in Internal Assessment Test and Assignments to improve the higher-order skill of the students. Train the students in open-source software and make them do projects. 	<p>Remarks:</p> <ul style="list-style-type: none"> For Suggestion 1: GATE questions were included in Tutorials and Assignments For Suggestion 2: Identify available open-source software related to our department and training will be given in the upcoming semester. <p>Target Date: May 2021 Responsibility: Faculty Members</p>

Screenshot

	Planned	Conducted	Odd Sem	Even Sem
IE(I)	19	17	13	Yet to Complete
IETE	08	06	05	Yet to Complete
ISTE	13	10	05	Yet to Complete

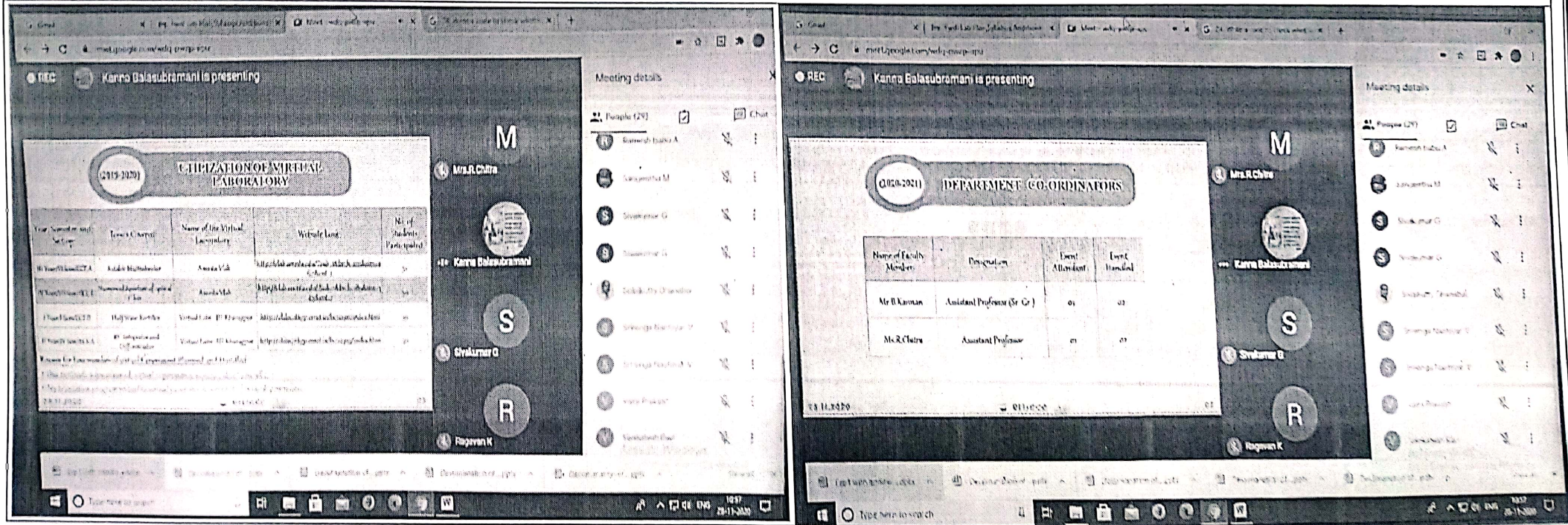
5. Laboratory

(by Mr.B.Kannan, AP(Sr. Gr.)/ECE & Ms.R.Divya, AP/ECE)

- Virtual Lab
- Additional lab experiments

Points Delivered	Suggestions given by DAC Members	Remarks with Target Date and Responsibility
<ul style="list-style-type: none"> • Explained the various events attended and handled by the department Virtual Laboratory co-ordinators related to access/explore various Virtual Laboratories. • Shared the utilization of the virtual laboratory for the academic year 2019-2020. • Shared the utilization of the Additional lab experiments for the academic year 2019-2020. • Expounded the possible Virtual Laboratories for the academic year 2020-2021 (III, V. & VII semester) theory and laboratory subjects. 	<ul style="list-style-type: none"> • The DAC members enquired about the utilization of virtual laboratory by all the students. • Asked to confirm whether all the students can access the virtual labs with their specified login. • Documentation regarding completed virtual experiments. 	<p>Remarks:</p> <ul style="list-style-type: none"> • For Suggestion 1: All Virtual labs are open access. • For Suggestions 2 & 3: Individual students will submit their observations as PDF documents to the corresponding faculty member. <p>Target Date: January 2021. Responsibility: Co-ordinators and Faculty Members.</p>

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6. Assessment Methods, Attainment of COs, POs, PSOs with program Effectiveness,

(by Mr.A.Azhagu Jaisudhan Pazhani, AP(Sr. Gr)/ECE)

- Assessment Methods
- Attainment of COs, POs, PSOs with program effectiveness
- Action is taken for outcome attainment
- Correctness and preventiveness

Points Delivered	Suggestions given by DAC Members	Remarks with Target Date and Responsibility
<p>Presented the attainment of COs, POs & PSOs for the academic year 2019-2020. The presentation covers the following points:</p> <ul style="list-style-type: none"> • The overview of assessment methods is presented for the 2013 regulation and 2017 regulations. • CO attainment targets for regulation 2013 and 2017 are discussed. • CO attainment for 2016-20 batch (VII Semester), 2017-21batch (V &VI Semester), 2018-22 batch (III&IV Semester) are discussed and are compared with the previous three batches. • Course Exit Survey scale value (10%) of 2016-2020 batch, 2017-21 batch, and 2018-22 batch are added with CO attainment (90%) for the overall CO calculations • For CO not attained subject, improvement action has been presented to attain the target. • Every year PO attainment target has increased. For the batch 2016-2020, it is decided as 1.8 • PES & Alumni Survey are collected by online mode and five-point scale value was calculated and displayed. 	<ul style="list-style-type: none"> • Committee members suggested to collect course exit survey after the arrival of University Examination results for the corresponding course. • Members suggested to verify course outcome attainment of the course during an internal audit. • Revise the assessment methods for CO calculations. 	<p>Remarks:</p> <ul style="list-style-type: none"> • For Suggestion 1: In Future CES (course exit survey) will be collected after university examination results. • For Suggestion 2: As per suggestion CO attainment value will verify during the next internal audit. • As per suggestion, more assessment methods will include in the next CO attainment calculations. <p>Target Date: February 2021 Responsibility: Co-ordinators and Faculty Members</p>

Screenshot

Overview of Assessment Methods

- For Academic year 2019-20 ODD Semester,
 - IAT I, II, III
 - Assignments and Tutorials.
 - University Assessment (60%)
 - Internal Assessment (40%)
 - Indirect Assessment – Course Exit Survey (10%)
- For Academic year 2019-20 Even Semester,
 - IAT I, II
 - Assignments and Tutorials.
 - University Assessment (60%)
 - Internal Assessment (40%)
 - Indirect Assessment – Course Exit Survey (10%)

CO Attainment Target (Regulation 2013)

Batch	Target Attainment
2013-2017 (AGPA ₁)	1.5 for Theory Courses & 2 for Laboratory Courses/Projects
2014-2018 (AGPA ₂)	AGPA ₁ × 0.3
2015-2019 (AGPA ₃)	$\left(\frac{AGPA_1 + AGPA_2}{2}\right) \times 0.3$
2016-2020	$\left(\frac{AGPA_1 + AGPA_2 + AGPA_3}{3}\right) \times 0.3$

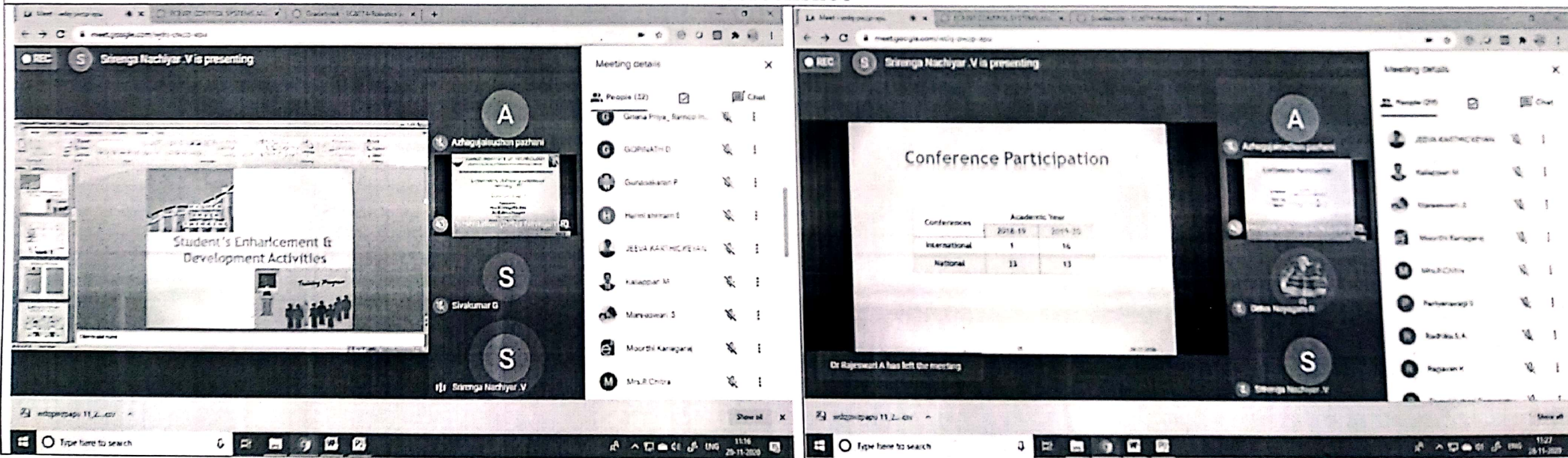
7. Students Performance

(by Mrs.V.SreengaNachiyar, AP(Sr. Gr.)/ECE & Mr.R.Deiva Nayagam, AP/ECE)

- Result analysis.
- Internship and In-plant Training.
- Student participation in co-curricular and extra-curricular.
- Student project.
- Student achievements.

Points Delivered	Suggestions given by DAC Members	Remarks with Target Date and Responsibility
<ul style="list-style-type: none"> • Explained the Result analysis of the students in the Anna University exam. • Explained the various events participated by the students in various institutions and outside of the state. • Explained the achievements of the students in extra and Co-curricular activities in various other institutions and outside of the state. • Shared the participation of the students in Internship and in-plant training in industries • Shared the details of the student's project and publications in journals, National and International conferences. 	<ul style="list-style-type: none"> • The DAC members suggested to keep the documentation with proof well for all activities performed by students. 	<p>Remarks:</p> <ul style="list-style-type: none"> • For Suggestion: Participation and Achievement Proofs need to be collected. <p>Target Date: January 2021 (Once Students entered into college for missing documents).</p> <p>Responsibility: Co-ordinators and Faculty Members.</p>

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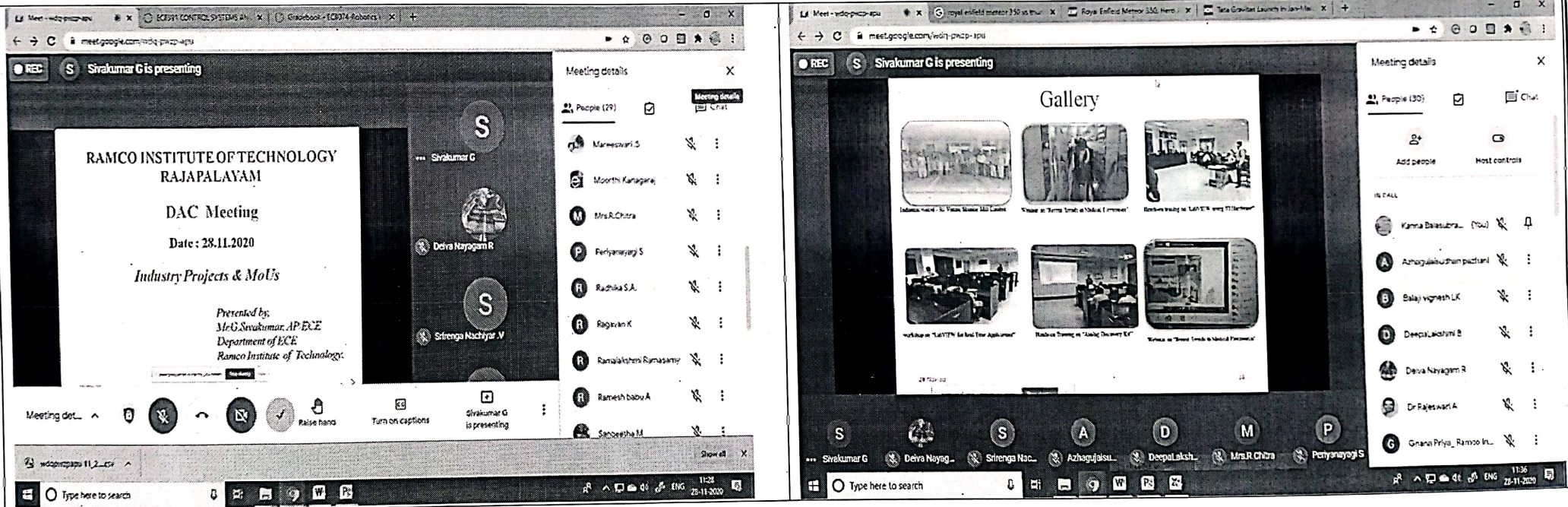
8. Department and Industry Interaction

(by Mr.G.Sivakumar, AP/ECE)

- Industry projects
- Publication with industry
- MoUs

Points Delivered	Suggestions given by DAC Members	Remarks with Target Date and Responsibility
<ul style="list-style-type: none"> • Explained the industry projects and details of industry projects in the academic year (2019-2020). • Shared the details of MOUs signed in the academic year 2019-2020 with various industries. • Explained the impact of MoUs. 	<ul style="list-style-type: none"> • To improve the department and industry interaction, the DAC members suggested to get at least one problem statement per industry. 	<p>Remarks:</p> <ul style="list-style-type: none"> • For Suggestion: Faculty in-charge asked to get industry-related problem statement form allotted Industry. <p>Target Date: January 2021 Responsibility: Co-ordinators and Faculty Members</p>

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9. Students feedback related to teaching and learning

(by Mr.P.Gunasekaran, AP/ECE)

Training and Placement Progress

- Feedback from Recruiters and Employers

Alumni Interaction and Contribution

- Feedback received from the Alumni

Points Delivered	Suggestions given by DAC Members	Remarks with Target Date and Responsibility
<ul style="list-style-type: none"> • Explained student's feedback related to the teaching-learning process and action taken. • Discussed the placed student details with their salary packages and list of companies invited for on-campus and off-campus during the academic year 2019-2020. • Presented the training provided for the 2016-2020 batch for placement and action taken from the Recruiter and Employer feedback. • Presented the feedback analysis of Parents and Alumni. 	<ul style="list-style-type: none"> • The DAC members suggested to provide GATE coaching for students • GATE questions can also be part of the Internal Assessment test and Tutorials which help to get placed in core industries. • Train the students in the basics of Core languages and awareness for the core to get placed in core industries. • Train the students for basic programming languages like C, Python, Java, SQL, etc. 	<p>Remarks:</p> <ul style="list-style-type: none"> • For Suggestion 1: In connection with GATE Forum GATE coaching is provided to the interested students • For Suggestion 2: GATE questions are asked in Assignments. • For Suggestion 3: Value-added courses on latest technologies IC test Engineering, IoT and LabVIEW • For Programming languages training from companies and by Internal faculty member <p>Target Date: April 2021 Responsibility: Respective Co-ordinators and Faculty Members</p>

Screenshot

Name of the Alumni	Company Name	Date
Ms.S.Pohari, Technical Trainer	Six Phase, Coimbatore	02.08.2019
Ms.P.Veerakalmani, Analyst Engineer	Ramon Systems, Chennai	31.08.2019
Ms.V.Ranjana, Software Engineer	Sri Mahambala Information, Madurai	25.08.2019
Joanna Karen W, Assistant System Engineer- Trainee	Tata Consultancy Services (TCS), Chennai	29.09.2019
Ms.V.Renidha, Software Developer	CTS, Chennai	31.08.2019

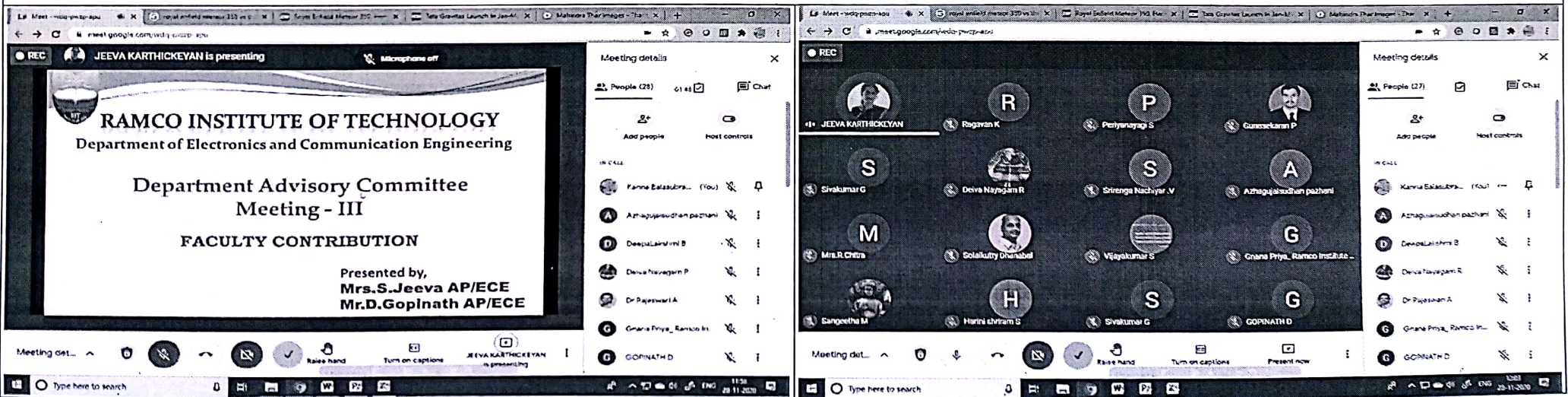
10. Faculty Contribution

(by Mrs.S.Jeeva, AP/ECE & Mr.D.Gopinath, AP/ECE)

- Participation
- Publication – Conference / Journal / Book Chapter
- Patent & Copyrights
- Research Proposals

Points Delivered	Suggestions given by DAC Members	Remarks with Target Date and Responsibility
<ul style="list-style-type: none"> • Presented Faculty Cadre Ratio for academic Year 2019-2020 & 2020-2021. • Presented the statistics about faculty participation in FDP / STTP / Webinar (State / National / International Level). • Briefed faculty publication details along with Citations, H-index, i-10 Index. • Presented Online Course (EdX, Coursera) completed by faculty members. • Provided the detail about additional Sabbatical training, IUCEE, NI LabVIEW training completed by the faculty member. • Elaborated the various sanctioned funded projects like MODOROB, TNSCST & FAER. • Presented the Patent filed details. • Presented the submitted research project proposals. 	<ul style="list-style-type: none"> • The DAC members suggested to improve more number of referred journal Publications. • Funding Project proposals are done by consultation with Industry Experts. 	<p>Remarks:</p> <ul style="list-style-type: none"> • For Suggestion 1: Enrich their Knowledge in Research & Development activities • For Suggestion 2: Faculty members are assigned in-charge for each MoU signed Industry. They are insisted to provide the action for funded Project proposal and other R&D activities. <p>Target Date: Continuous Responsibility: All the Faculty Members</p>

Screenshot



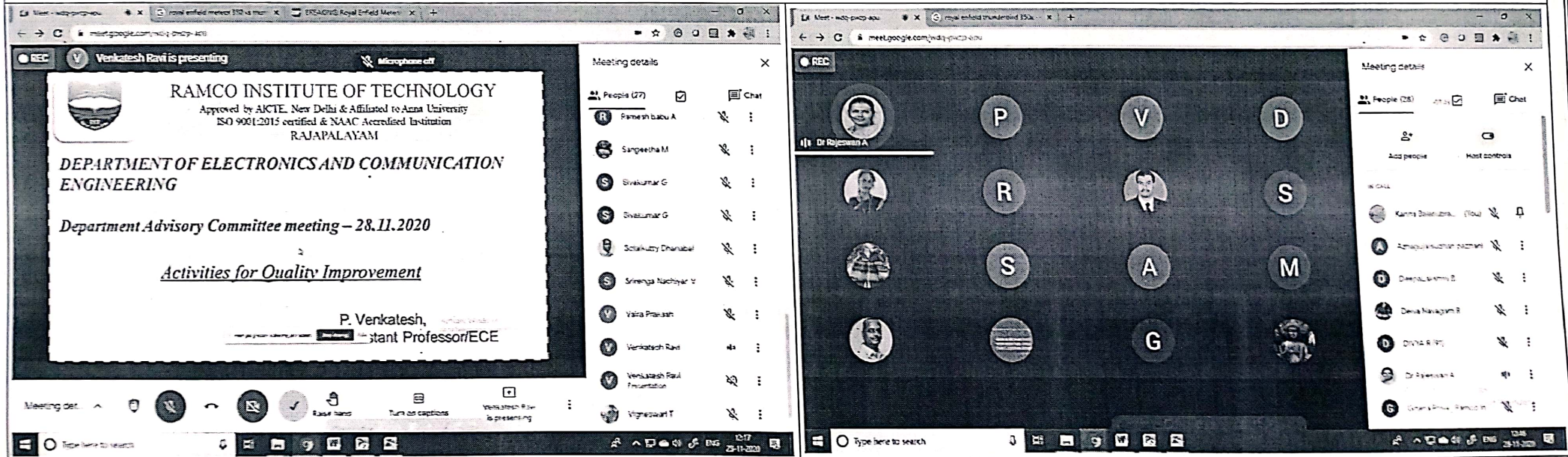
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11. Activity leads to Quality Improvement

(by Mr.P.Venkatesh, AP/ECE)

Points Delivered	Suggestions given by DAC Members	Remarks with Target Date and Responsibility
<ul style="list-style-type: none"> • Explained the various project-related events and activities conducted and attended for transforming the projects into proposals, patents, product, etc., • 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. • Explained about research-oriented impacts and outcomes such as publications and conferences, the establishment of modernized communication laboratory under AICTE-MODROB scheme, International Web Conference on Smart Engineering Technologies (IWCSET-2020). • Explained various programs organized under IITM-PALS, RIT-IQAC for quality improvement in educational practices, the publication of patents, virtual labs, and placement. • Explained about POs, PSOs, and their attainments along with the actions taken for attainment. • Academic audit process in RIT. 	<ul style="list-style-type: none"> • The DAC members suggested that CO attainment shall be included in the Academic audit. 	<p>Remarks:</p> <ul style="list-style-type: none"> • CO attainment shall be included in forthcoming audits <p>Target Date: Upcoming academic audits</p>

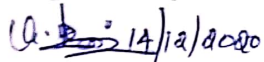
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Suggestions provided by the DAC members a summary.

- More students may be encouraged to write the GATE exam which will enhance the number of placements in core companies.
- GATE questions which have higher-order thinking may be incorporated in Internal Assessment Tests.
- Students may be encouraged to undergo online internships since industries started providing online internships due to the pandemic situation.
- Students may be given training using the available open-source software like 'Scilab', 'C' and encourage them to do projects and collect feedback from the students
- For CO-attainment, once the result is received, a course exit survey may be collected from the students.
- Target CO in cognitive level
- Assessment patterns may be changed by the horizontal approach instead of the top-down approach as written mode to open book test or Theory paper with the project.
- Higher-order thinking of the students may be assessed as 20% for the analytical level and 40% for the applying level.
- Co attainment score may be included in the performance appraisal of the faculty members.
- Stress management and health may be concentrated for students by providing running for half an hour in the playground.
- Value-added courses may be organized on topics such as Ethics, Stress Management, and health management.
- Problems may be collected from the MOU industries and can be solved by the students
- The software may be available in multiple places. Laptop, Mobile Phone, etc.
- Entrepreneurship skills may be enhanced by providing video by young start-ups. 10 to 30 students may be initiated in the college. MSME is offering funds for start-ups too.
- Students must be trained with basic embedded C, Verilog software
- Awareness to be given to the students about Information and Technology - Engineering) 'C', 'C++', 'Java', Python, etc.,
- Skill improvement is important and assessment may be done with credits.

Prepared by:
14/12/2020**Verified by:**
14/12/2020**Approved by:**
15/12/20

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



RAMCO INSTITUTE OF TECHNOLOGY

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Department of Mechanical Engineering

Ref.: Department Advisory Committee Meeting/2020-21/Odd Semester/3

Date: 21.11.2020

Minutes of the Meeting of Department Advisory Committee Meeting - III

The 3rd Department Advisory Committee Meeting for the AY 2020 – 21 (Odd Semester) was conducted on 21.11.2020 (Saturday) from 03.30 PM to 5:30PM in Google Meet.

Agenda of the meeting:

1. Review of previous Department Advisory Committee Meeting – II
2. Teaching and Learning Process
3. Course Outcomes and Program Outcomes
 - a. Assessment Methods,
 - b. Attainment of Cos, POs, PSOs with program effectiveness
 - c. Action taken for outcome attainment
 - d. Correctiveness and preventiveness
4. Students Performance
5. Department and Industry Interaction
 - a. MoUs
 - b. Industry projects
 - c. Publication with industry
6. Training and Placement Progress with Feedback from Recruiters and Employers
7. Alumni Interaction and Contribution
 - a. Feedback received from the Alumni
8. Faculty contribution
 - a. Participation
 - b. Publication – Conference / Journal / Book Chapter
 - c. Patent & Copy rights
 - d. Research Proposals
9. Activity leads to Quality improvements

03
11/12/20

Members present:

<u>Members present:</u>	<u>Faculty Members – Dept. of Mech. Engg., RIT</u>
1) Mr.N.Rajasekaran – Dy. General Manager, BHEL, Trichirapalli. (Industry Member)	1) Dr.S.Godwin Barnabas, ASCP
2) Dr.L.Srinivasan – Dy. General Manager, VSSC, ISRO (R& D Member)	2) Mr.M.Lakshmanan, AP(Sr.Gr.)
3) Dr.M.Palaninatharaja, Dean P&D TCE – Madurai. (Academic Member)	3) Mr.J.Jerold John Britto, AP(Sr.Gr.)
4) Mr.P.Esakkiraja, Asst Manager, Ramco Cements Ltd., Alathithur (Alumni Member)	4) Mr.M.Ashok Kumar, AP(Sr.Gr.)
5) Mr.K.Aravind Kumar, Asst. Manager, Madasamy Nadar Restaurant (Alumni Member)	5) Mr.C.Gururaj, AP(Sr.Gr.)
	6) Mr.M.Sivagaminathan alias Balaji, AP(Sr.Gr.)
	7) Mr.G.Prabu ram, AP(Sr.Gr.)
	8) Mr.S.Maharajan, AP
	9) Mr.K.Vigneshwaran, AP
	10) Mr.T.Selvasundar, AP
	11) Mr.S.Valai Ganesh, AP
	12) Mr.J.Jabinth, AP
	13) Mr.L.Karthikeyan, AP
	14) Mr.M.Santhana Maruthu Pandian, AP
	15) Mr.R.Arun Kumar, AP
	16) Mr.N.L.Sujin, AP
	17) Mr.R.Prabhakaran, AP
	18) Mr.R.Venkatesh, AP
	19) Mr.K.Amudhan, AP
	20) Mr.M.Ramar, AP
	21) Mr.P.Pavithran, AP
	22) Mr.S.Kathiravan, AP
<u>Internal Members from RIT</u>	
1. Dr.S.Rajakarunakaran, Prof & Head / Mech.	
2. Dr.K.Karthikeyan, ASCP/EEE	
3. Dr.M.Gomathy Nayagam, ASCP/CSE	
4. Dr.O.Senthilkumar, ASCP/Chemistry	
5. Dr.T.Manimaran, ASCP/Maths	
6. Dr.P.Sureshkumar, ASCP/Mech.	
7. Dr.V.Sivakumar, ASCP/Mech.	

Sl. No.	Agenda	Target Date	Points discussed	Responsibility
1.	Review of previous Department Advisory Committee Meeting – II	Completed	Dr.P.Sureshkumar, ASCP/Mech. presented the minutes of second Department Advisory Committee Meeting. The implementation and suggestions given by the advisory committee members in the previous meet was reviewed by the members.	All the NBA Criteria Coordinators and faculty members
2.	Teaching and Learning Process	Continuous	Innovative practices followed in TLP, Curriculum gap identification, content beyond syllabus, students' feedback were summarized by Mr.R.Arun Kumar, AP/Mech. • The list of innovative practices followed with the methods and ICT tools were described.	All the faculty members & Virtual Lab Coordinator

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			<p>“Learning Management Systems – Canvas and Google Classroom are practiced in the department”</p> <ul style="list-style-type: none"> The unique delivery methods in the department is divided as “active learning, passive learning, collaborative learning, e-learning and feedback based learning” Presented the method of transparent evaluation using scheme of evaluation, rubrics, online quizzes and central evaluation. Added the attainment level of the students have improved marginally using these practices. Planned to have a tie-up with IUCEE consortium to improve the TLP”. A paper on the impact created through Innovative practices followed is planned to communicate to a journal. Explained that learning materials of TLP are made available to public for critic reviews in YouTube and Slide share platforms. University approved value added courses to bridge the curriculum gap was presented and the courses are: Smart Materials & Structures Green Energy Technologies and Management Automation Suite for Smart Systems IoT applications in Mechanical Engineering Surface Coating Technology Presented how curriculum gap is identified and addressed in individual subjects with two subjects as case studies. Concluded the presentation with the academic actions taken on feedback collected from the students through Class Committee Meeting, Course Committee Meeting and feedback form. The virtual laboratory utilization was presented by Mr.J.Jerold John Britto, AP(SG)/Mech. Explained the completed activities and planned activities related to V-labs. “Tie-up with NIT Warangal in developing a virtual lab is under progress”. V-Lab utilization details were also presented. 	
3.	Course Outcomes, Program Outcomes and Program Specific	Continuous	<p>Mr. J. Jabinth, AP/Mech. presented the overview of the assessment methods. CO-PO attainment for 2016-2020 batch calculation was explained to the members.</p> <ul style="list-style-type: none"> Course Exit survey is newly included and calculated for both Theory & Practical from 2019-20 batch with a weightage of 10%. 40% weightage for IAT, 60% weightage for 	All the faculty members

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	Outcomes		<p>university contributes to 90% of CO attainment along with 10% weightage from CES.</p> <ul style="list-style-type: none"> • The DAC Members approved the threshold/Target for upcoming semester, which is calculated by taking the maximum value of current, previously set target value in previous academic years. • In first year 4 subjects and in Second year 3 subjects did not attain the target value. In Third Year & Final Year all the subjects attained the target value. • The Alumni Exit survey & Program exit survey were collected via online mode. The collected survey was given 10% weightage each totaling 20% Weightage. • The CO attainment is correlated with mapping to obtain the PO-PSO attainment for each Attributes. The number of subjects mapping the program outcomes were discussed. • The program outcomes & Program Specific Outcomes are determined by taking 80% weightage from Subject attainment and 20% Weightage from PES, Alumni surveys. • The corrective actions taken to improve the attainment were discussed by the presenter. 	
4.	Students Performance	Continuous	<p>Mr. G. Prabu ram, AP(Sr.Gr.)/Mech. presented the following points.</p> <ul style="list-style-type: none"> • Results attained by the students during 2019-2020 (Odd Semester) – 60.89% (232/381) and Even Semester – 100% (381/381) • 2020-2021 (Odd Semester (excluding IV Year). • The progresses of internship <ul style="list-style-type: none"> ➤ 49 students in 2019-20 and 13 students in 2020-21 (Virtual Internship) • 9 students have undergone in-plant training • Briefed the student feedback report about Internship/In-plant training, formation of Department Consultative Committee, Rubrics for IPT/Internship review, student presentation and evaluation and suggestions and corrective measures • 223 students' participation in Co-Curricular / Extra-Curricular activities (As on date) • 41 and 38 projects turned out from final year and third year students, respectively. 	All the student members, subject handling faculty members and IPT and Internship In-charge

			<ul style="list-style-type: none"> Final year student projects consists of 32 In house projects and 09 Industrial projects Student achievements during 2019-20 and 2020-21 (as on date) <p>Ref.: https://www.ritrjpm.ac.in/images/mechanical/2019-20.pdf https://www.ritrjpm.ac.in/images/mechanical/IPT-2019-20.pdf https://www.ritrjpm.ac.in/departments/mechanical-engg/mechanical-engg-awards-and-achievements.php</p>	
5.	Department and Industry Interaction	Continuous	<p>Mr.K.Amuthan, AP/Mech. Shared the following industry interaction activities</p> <ul style="list-style-type: none"> Listed out the number of MoUs with its validity period Establishment of laboratories through MoUs from RIT – Harita Centre of Excellence and RIT-MEDSBY additive manufacturing centre 13 students placed through MoU companies 8 Industrial problems based projects Involvement of industrial experts in the project review committee 2 publications with industry person. 	All the faculty members &
6.	Training and Placement Progress with Feedback from Recruiters and Employers	Continuous	<p>Mr.M.Lakshmanan, AP(Sr.Gr.)/Mech. explained the following activity during the AY 2019-20.</p> <ul style="list-style-type: none"> Aptitude Training, Programming Training, Fundamental of core subject, GD & Mock Interviews, Continuous skill rack practice, quizzes, GATE coaching and class for critical thinking training are given to II, III and IV year students. Company specific training like TCS NQT, Mock GD, Mock Interview for Kaar Tech, Embed UR, Vuram Tech. 8 Webinars conducted Opportunity from 31 companies has been given to the students, out of which 7 core companies, 16 IT companies, 1 Knowledge process outsourcing(KPO), 2 sales company, 1 support company and 4 training companies. 73 students placed in 2019-2020 Collective recruiters (Ramco Systems, Ramco Cements, Harita Techserv, UCAL Fuel Systems, Accurate Steel Forging, TCS, ETHNUS, and Chain System) feedback are collected and the action are taken Employers' feedback (Ramco Systems, Ramco 	All the students, class advisor, mentor and Placement coordinator

			<p>Cements, Harita Techserv, UCAL Fuel Systems and Accurate Steel Forging) and the action taken towards their valuable suggestions.</p> <ul style="list-style-type: none"> The scheduled future campus drives are (Sundaram Clayton, Hosur, Myunghwa Automotive India – Internship cum Placement, SKF Bearings, JSW Steel, National Instruments (NI) - Certified LabVIEW Associate Developer (Clad). 																																	
7.	Alumni Interaction and Contribution	Continuous	<p>Mr.M.Lakshmanan, AP(Sr.Gr.)/Mech. shared the following contribution details of the Alumni over the period.</p> <table border="1"> <thead> <tr> <th colspan="4">Alumni Contribution Details</th> </tr> <tr> <th>S.No.</th> <th>Date</th> <th>Alumni details</th> <th>Topic Discussed</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>10.01.20</td> <td>Mr.M.Padmanapan, Design Engineer Trainee, Harita Techserv Limited. (2015 – 2019)</td> <td>Role of Design Engineer</td> </tr> <tr> <td>2.</td> <td>26.02.20</td> <td>Mr.Jeevaganesh. C Mr.Arumugam.A Mr.Karthickraj.A Team Leader in RANE, Chennai. (2015 – 2019)</td> <td>What Industry Expect from Engineer</td> </tr> <tr> <td>3.</td> <td>25.05.20</td> <td>Mr.K.Gopinath and Mr.S.Harikrishna (2013 – 2017)</td> <td>Gate is a Gateway for new life</td> </tr> <tr> <td>4.</td> <td>05.06.20</td> <td>Mr.M.Karthick Gowtham , Deputy Registrar (Group I), Cooperative Society. (2013 – 2017)</td> <td>Preparation Strategy for TNPSC Exams</td> </tr> <tr> <td>5.</td> <td>13.09.20</td> <td>K.Ajeethkumar, Managing director of AK Constructions. (2015 – 2019)</td> <td>Scope for Entrepreneurs</td> </tr> <tr> <td>6.</td> <td>27.09.20</td> <td>R.Ajith Kumar, Quality Engineer, CSWIP 3.1 Welding Inspector, ASNT Level II RT, UT, Severn Glocon India Pvt Ltd, Chennai. (2015 – 2019)</td> <td>Scope for Jobs in Oil and Petroleum Industry</td> </tr> </tbody> </table>	Alumni Contribution Details				S.No.	Date	Alumni details	Topic Discussed	1.	10.01.20	Mr.M.Padmanapan, Design Engineer Trainee, Harita Techserv Limited. (2015 – 2019)	Role of Design Engineer	2.	26.02.20	Mr.Jeevaganesh. C Mr.Arumugam.A Mr.Karthickraj.A Team Leader in RANE, Chennai. (2015 – 2019)	What Industry Expect from Engineer	3.	25.05.20	Mr.K.Gopinath and Mr.S.Harikrishna (2013 – 2017)	Gate is a Gateway for new life	4.	05.06.20	Mr.M.Karthick Gowtham , Deputy Registrar (Group I), Cooperative Society. (2013 – 2017)	Preparation Strategy for TNPSC Exams	5.	13.09.20	K.Ajeethkumar, Managing director of AK Constructions. (2015 – 2019)	Scope for Entrepreneurs	6.	27.09.20	R.Ajith Kumar, Quality Engineer, CSWIP 3.1 Welding Inspector, ASNT Level II RT, UT, Severn Glocon India Pvt Ltd, Chennai. (2015 – 2019)	Scope for Jobs in Oil and Petroleum Industry	Alumni coordinator
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5.	13.09.20	K.Ajeethkumar, Managing director of AK Constructions. (2015 – 2019)	Scope for Entrepreneurs																																	
6.	27.09.20	R.Ajith Kumar, Quality Engineer, CSWIP 3.1 Welding Inspector, ASNT Level II RT, UT, Severn Glocon India Pvt Ltd, Chennai. (2015 – 2019)	Scope for Jobs in Oil and Petroleum Industry																																	

			<table border="1"> <tr> <td>7.</td> <td>18.10.20</td> <td>Mr.P.Esakkiraja, Assistant Manager – Mechanical, Ramco Cements Ltd, Ariyalur District. (2014 – 2018)</td> <td>The Engineer</td> </tr> <tr> <td>8.</td> <td>12.11.20</td> <td>Mr.P.Ari Ramalingam, Assistant Manager – New Project and Process Development, RANE NSK Steering System Pvt. Ltd. Ahmedabad (2013 – 2017). Mr.B.Vengalabothi, Junior Functional Consultant, Avaniko Technologies Pvt Ltd., Chennai (2013 – 2017).</td> <td>College and Industry Environment</td> </tr> </table> <ul style="list-style-type: none"> Delivered the inferences received from the Alumni feedback analysis from 113 Alumnus. The key feedback from the alumnus about the institute are Good Infrastructure, Food provided in hostel, way of teaching, Online course practice and Rules and regulations followed in the campus 	7.	18.10.20	Mr.P.Esakkiraja, Assistant Manager – Mechanical, Ramco Cements Ltd, Ariyalur District. (2014 – 2018)	The Engineer	8.	12.11.20	Mr.P.Ari Ramalingam, Assistant Manager – New Project and Process Development, RANE NSK Steering System Pvt. Ltd. Ahmedabad (2013 – 2017). Mr.B.Vengalabothi, Junior Functional Consultant, Avaniko Technologies Pvt Ltd., Chennai (2013 – 2017).	College and Industry Environment	
7.	18.10.20	Mr.P.Esakkiraja, Assistant Manager – Mechanical, Ramco Cements Ltd, Ariyalur District. (2014 – 2018)	The Engineer									
8.	12.11.20	Mr.P.Ari Ramalingam, Assistant Manager – New Project and Process Development, RANE NSK Steering System Pvt. Ltd. Ahmedabad (2013 – 2017). Mr.B.Vengalabothi, Junior Functional Consultant, Avaniko Technologies Pvt Ltd., Chennai (2013 – 2017).	College and Industry Environment									
8.	Faculty contribution	Continuous	<p>Dr.V.Sivakumar, ASCP/Mech. addressed the following faculty contribution</p> <ul style="list-style-type: none"> Improvement of student faculty ratio (18.72 to 16.04) in the AY 2020-2021 through the recruitment of three faculty members to the department. Presented the faculty participation in webinar, quiz, FDP, STTP and online courses for the AY 2019-20 and AY 2020-2021 till November. Highlighted the paper publication (9 Journal papers, 1 article, 17 conference papers, 2 book chapters), 4 Patent filed and 4 Patents Drafting 2 copyrights approved and 1 copyright filed Status of completed funded projects IE(I) R&D Grant in Aid Scheme-1, Ongoing projects – DST SSTP & RuTAG IIT Madras, AICTE MODROB – 1, 	All the faculty members & RIT RC member								



			<ul style="list-style-type: none"> Funds received to conduct program DST – NIMAT – EAC, and IWS, Proposal submitted in DST, RuTAG, ISHRAE, DST-WMT (4), FAER (7). Further, Presented the steps taken to improve Research & Development activities of the department. <p>Ref.: Academic Year Wise Faculty Participation & Research and Developmental activities are listed out in the website</p> <p>https://www.ritrjpm.ac.in/departments/mechanical-engg/mechanical-engg-program-organized-program-participation.php</p> <p>https://www.ritrjpm.ac.in/departments/mechanical-engg/mechanical-engg-research-and-development.php</p>	
9.	Activity leads to Quality improvements	Continuous	<p>Mr.J.Jerold John Britto, AP(Sr.Gr.)/Mech. presented the activities that lead to quality improvement</p> <p><u>Project work</u></p> <ul style="list-style-type: none"> Categorized the projects done by the students as 6 patentable, 3 product development, 12 project completion and 3 eligible to apply for research grant 8 Dept. level prize winners and 3 institute level prize winners in the National Science Day Ongoing industry base interdisciplinary project through RIT HARITA IOT Home <p><u>Online course</u></p> <ul style="list-style-type: none"> All the faculty members and students utilized free coupons to do courses in Edx/IIRS Multi variable calculus course completed and received certificate by all the faculty members Students involvement in ICTACT – New India Learthon 2020 (10 Courses / 38 students), Anna University approved value added courses (2 credit and 1 credit subjects / 118 students) AICTE – Universal Human Values course completed by 4 faculty members RIT IUCEE course – 3 faculty members completed <p><u>Research</u></p> <ul style="list-style-type: none"> Research Incentive Rs. 36,500/- received by the faculty members IWCSET – 2020 Participation – 319, Presentation – 46 and publication – 7 Research talk during the Department Review Meeting 	Department of Mechanical Engineering

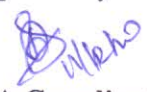
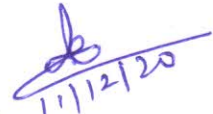
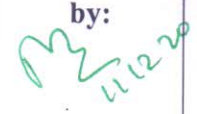


			<p>Other Programs</p> <ul style="list-style-type: none"> • ESVC Junior 1.0 for school students (Participation: 36 teams / 360 students and 40 faculty members) • Webinars participation through IITM PALS, TLC of IITM, ICTACT, RIT – IQAC, IRS/ISRO and IUCEE – Entrepreneurship Education Program • 46 Virtual laboratory experiments (MHRD V-Lab) conducted for theory and lab courses • Suggestion received from Parents Teachers meeting on 23.02.20 • Listed out the LMS usage, activities through the GATE class and revised ISO Forms (SV 01, PU 02, PU 04 and AC 11c) 	
10.	Members Suggestions for Improvements	Before commencing the next DRM - IV	<p>Mr.N.Rajasekaran – Dy. General Manager, BHEL, Trichirapalli. (Industry Member)</p> <ul style="list-style-type: none"> • Appreciated the student and faculty contribution by the department. • Suggested to approach the professional societies for funding to conduct program <p>Dr.L. Srinivasan – Dy. General Manager, VSSC, ISRO (R& D Member)</p> <ul style="list-style-type: none"> • Appreciated the overall presentation by the faculty members and suggested to take necessary action to address the weaker areas represented in the employer's feedback. • Congratulated the winners and participant students in National Science day Project Presentation competition and India skills competition. • Encouraged the faculty members to work in the Additive Manufacturing field and highlighted the opportunities available to work with Indian Space Research Organization. <p>Dr.M.Palanimatharaja, Dean P&D, TCE (Academic member)</p> <ul style="list-style-type: none"> • Appreciated the content presented in the meeting and suggested to identify the impact analysis and corrective action plan for further improvement to the next academic year. • Advised to enhance fruitful interaction through MoUs with industries and obtain more outcomes. • Advised to analyse CO-PO-PSOs semester wise. Suggested to create a plan for the new academic year and periodically check the progress and its deviation if any. 	Department of Mechanical Engineering



			<ul style="list-style-type: none"> Recommended to follow the existing procedure adapted in the calculation of CO-PO-PSO and setting the target for the next academic year. <p>Mr.P.Esakkiraja, Asst Manager, Ramco Cements Ltd., Alathithur. (Alumni Member)</p> <ul style="list-style-type: none"> Requested to ensure that third and final year students are provided opportunities to refresh their fundamentals in their higher semesters. <p>Mr.K.Aravind Kumar, Asst. Manager, Madasamy Nadar Restaurant, (Alumni Member)</p> <ul style="list-style-type: none"> Suggested to create awareness about Entrepreneurship through Institute Innovation Council by conducting program. <p>Dr.S.Rajakarunakaran, Prof. & Head Mech. (Internal Member)</p> <ul style="list-style-type: none"> Recommended to disseminate the activities carried out through the industry by the department in the college website. Motivated the faculty members to do more innovative practices in their subject and laboratory courses and update in the website periodically. <p>Dr.K.Karthikeyan, ASCP/EEE (Internal Member)</p> <ul style="list-style-type: none"> Recommended to review periodically, the Internship/In-plant training undergone by the students through Department Consultative Committee. <p>Dr.M.Gomathy Nayagam, ASCP/CSE (Internal Member)</p> <ul style="list-style-type: none"> Suggested to create pathway to the interested mechanical engineering students to involve in the Automation and Robotics Club <p>Dr.O.Senthilkumar, ASCP/Chemistry (Internal Member)</p> <ul style="list-style-type: none"> Proposed to submit more inter disciplinary project proposals to the governmental and non-governmental agencies. 	
--	--	--	--	--

Handwritten signature and date: 11/12/20

		<p>Dr.T.Manimaran, ASCP/Maths (Internal Member)</p> <ul style="list-style-type: none"> Advised to make use of faculty members from mathematics to provide coaching for GATE class attending students through Higher Education Cell and Math Experts Club. <p>Dr.P.Sureshkumar, ASCP/Mech. (Internal Member)</p> <ul style="list-style-type: none"> Recommended to provide facilities for the hostellers to come and work in the laboratory after regular working hours. <p>Dr.V.Sivakumar, ASCP/Mech. (Internal Member)</p> <ul style="list-style-type: none"> Suggested to constitute a committee and strengthen the quality of projects and get more tangible outcomes. 	
11.	Vote of Thanks	-	Dr.S.Godwin Barnabas, ASCP/Mech. thanked all the internal and external DAC members for attending the meeting.
Prepared by:  NBA Coordinator		Verified by:  HoD Mechanical	Approved by:  Principal

Copy to:

- 1) Members of DACM
- 2) Faculty members of Mechanical Engineering through e-mail and Canvas Classroom for information and necessary action.
- 3) File

Display at Prominent Places
- HoD Room, Faculty Hall,
Seminar, Class room
Laboratories and Institution
Website

1. Publication and Dissemination Photographs



Faculty Hall

Class Room

Laboratories

ECE Seminar Hall

Students' Handbook

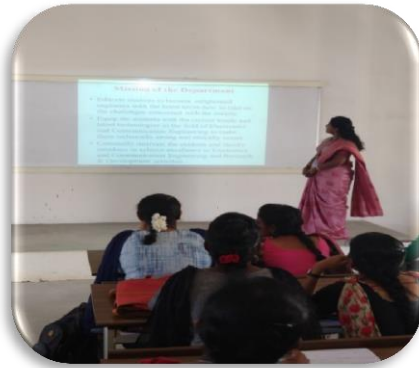
Department Notice Board



Induction Programme for freshers



Class advisor dissemination in class room



Class advisor dissemination in class room



Orientation Program



Parents – Teacher Meeting



Department Advisory Committee Meeting

1. Publication and Dissemination Photographs

Publishing modes of Vision mission statements



Dissemination of Vision Mission statement to students



Dissemination by faculty



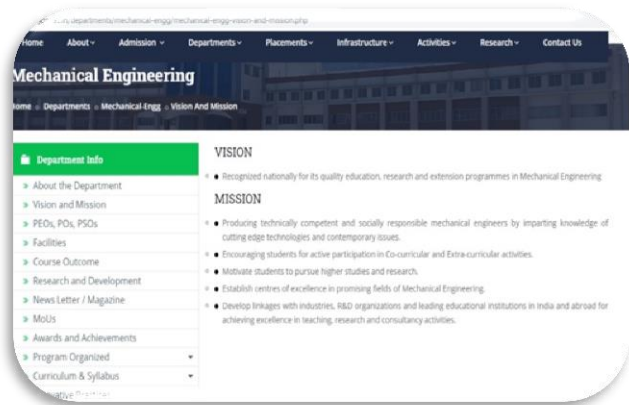
Dissemination by class advisor



Induction Program for freshers



Orientation program



College Website



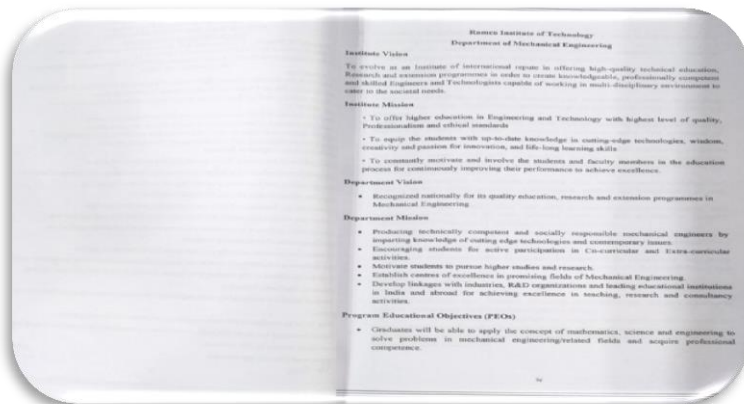
HOD Chamber



Students Notice Board



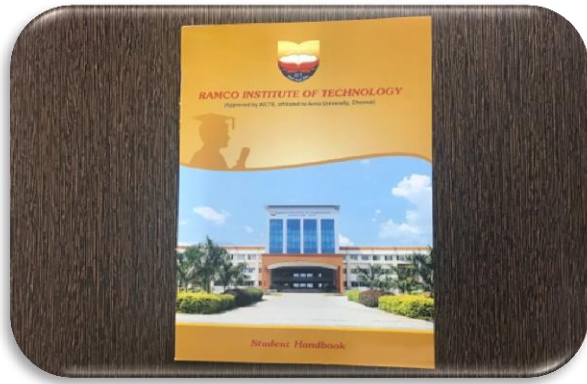
Laboratories



Lab Manuals



Seminar Hall



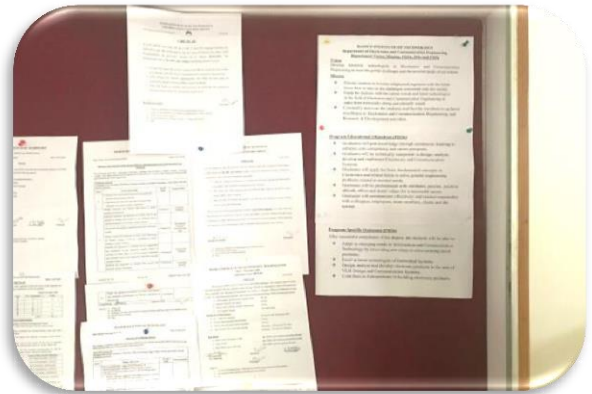
Students' Handbook



TPO Notice Board



Class Rooms



Hostel Notice Board



Faculty Hall



Department Notice board

DEPARTMENT OF MECHANICAL ENGINEERING

VISION

Recognized nationally for its quality education, research and extension programmes in Mechanical Engineering

MISSION

- Producing technically competent and socially responsible mechanical engineers by imparting knowledge of cutting edge technologies and contemporary issues.
- Encouraging students for active participation in Co-curricular and Extra-curricular activities.
- Motivate students to pursue higher studies and research.
- Establish centres of excellence in promising fields of Mechanical Engineering.
- Develop linkages with industries, R&D organizations and leading educational institutions in India and abroad for achieving excellence in teaching, research and consultancy activities.

Department Newsletter

**Dissemination in Alumni
Meet, Parents Meeting, First
Class committee meeting**



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

PARENT – TEACHERS MEETING MINUTES

Ref.: RIT/MECH/PTA/2023-2024/01

Date: 15.12.2023

Minutes of Meeting of the Faculty members with parents of Mechanical Engineering Department Students

The Coordinator of Criteria 1 Conducted a Meeting with the faculty members and parents of Mechanical Engineering students on 08.12.2023 (Friday) at 02.30 PM and discussed the following points.

Members present:

Faculty Members, Class Advisors, Mentors and parents of first & Second-year students of Mechanical Engineering.

Totally 45+32=77 parents were attended the Parents Teacher Meeting. (I year = 45, II year = 32)

Sl.No.	Points discussed	Target Date	Responsibility
1.	<u>Welcome address</u> Dr.V.Sivakumar, Associate Professor, Department of Mechanical Engineering welcomed the parents and all faculty members.	--	--
2.	<u>Curricular Progress</u> Mr.L.Karthikeyan, Assistant Professor (SG) & Mr.R.Prabhakaran, Assistant Professor, Presented about the Current Second & First year Curricular Progress (R2021) in our Mechanical Department. The following points were discussed in the meeting. <ul style="list-style-type: none"> Disseminated the department Vision, Mission, PEO, PO and PSO through our institute website using below link: https://www.ritrjpm.ac.in/departments/mechanical-engg/mechanical-engg-peo--s--po--pso.php Mr.R.Arun Kumar, & Mr.R.Prabhakaran, explained the structure of programme in Regulation -2021 course types like, Humanities, Social Sciences and Management Courses (HSMC) include Professional English, Communication skills etc. Basic Sciences Courses (BSC) include Mathematics, Physics, Chemistry, Biology, Environmental Science etc. Engineering Sciences Courses (ESC) include Engineering Practices, Engineering Graphics, Basics of Civil / Mechanical / Electrical / Electronics / Instrumentation, Computer Engineering, etc. Professional Core Courses (PCC) include the core courses relevant to the chosen specialization/branch. Professional Elective Courses (PEC) include the elective courses relevant to the chosen specialization/ branch. Open Elective Courses (OEC) include the courses offered by a branch to other branches, from the list specified in the respective curriculum of the B.E. / B. Tech. / B. Arch. 	--	HoD/ Faculty members

Programmes. Employability Enhancement Courses (EEC) include Project Work, Internship, Seminar, Professional Practices, Case Study and Industrial/Practical Training etc. Audit courses (AC) include the courses such as Constitution of India, Sangam literature etc.

<https://www.ritrjpm.ac.in/departments/mechanical-engg/mechanical-engg-curriculum---syllabus-r-2021-b-e-mech-syllabus.php>

- **Industrial Visit** Every student is required to go for at least one Industrial Visit every semester starting from the second year of the Programme. The Heads of Departments shall ensure that necessary arrangements are made in this regard.

Value Added Courses:

- The students may optionally undergo Value Added Courses (VAC) over and above the topics covered in the curriculum to obtain practical and industry specific knowledge.

Online Courses:

- Students may be permitted to credit a maximum of two online courses, subject to a maximum of six credits, with the approval of the Head of the Institution and the Centre for Academic Courses, in lieu of open elective / professional elective courses.

Audit courses:

- The student may optionally study audit courses prescribed by the University and it will be mentioned in the Grade Sheet

Advancement of Courses:

- The students who completed their final semester courses (except project work) in advance, shall be permitted to carry out their final semester Project Work for six months in an industry/research organization.
- **Note:** These students shall undergo the eighth semester courses other than the Project Work in the sixth and seventh semesters, provided they do not have current arrears and have a CGPA of 7.50 and above at the end of Semester IV.

Attendance requirements for Completion of the Semester:

- Ideally every student is expected to attend all classes of all the courses and secure 100% attendance. However, in order to give provision for certain unavoidable reasons such as medical / participation in sports, the student is expected to attend at least 75% of the classes.

System of Examination:

- Performance in each course of study shall be evaluated based on
 - (i) Continuous internal assessment throughout the semester and
 - (ii) University examination at the end of the semester.
- Each course, both theory and practical (including project work & viva voce examinations) shall be evaluated for a maximum of 100 marks.
- For all theory courses, the continuous internal assessment will carry 40 marks while the End Semester University examination will carry 60 marks.
- For all laboratory courses, the continuous internal assessment will carry 60 marks while the End Semester University

examination will carry 40 marks

Assessment I (100 Marks)		Assessment II (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*

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

Award of letter Grades:

Letter Grade	Grade Points*
O (Outstanding)	10
A + (Excellent)	9
A (Very Good)	8
B + (Good)	7
B (Average)	6
C (Satisfactory)	5
RA (Re-appearance)	0
SA (Shortage of Attendance)	0
W (Withdrawal)	0

Classification of the Degree Awarded:

- FIRST CLASS WITH DISTINCTION
 - ✓ Should have passed the examination in all the courses of all the eight semesters in the student's First Appearance
 - ✓ Should have secured a CGPA of not less than 8.50.
 - ✓ Should NOT have been prevented from writing end semester examination due to lack of attendance in any semester.
- FIRST CLASS:
 - ✓ Should have passed the examination in all the courses of all eight semesters
 - ✓ Should have secured a CGPA of not less than 6.50.
- SECOND CLASS:
 - ✓ All other students (not covered in clauses 16.2.1 and 16.2.2) who qualify for the award of the degree

Enrollment for B.E. / B. TECH. (Honours) / Minor degree (optional)

- For B.E. / B. Tech. (Honours), a student shall register for the additional courses (18 credits) from semester V onwards. These courses shall be from the same vertical or a combination of different verticals of the same programme of study only.
- For minor degree, a student shall register for the additional courses (18 credits) from semester V onwards. All these courses have to be in a particular vertical from any one of the other programmes, Moreover, for minor degree the student can register for courses from any one of the following verticals also.

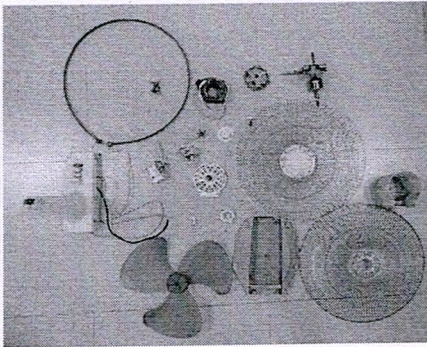
VERTICAL 1 MODERN MOBILITY SYSTEMS	VERTICAL 2 PRODUCT AND PROCESS DEVELOPMENT	VERTICAL 3 ROBOTICS AND AUTOMATION	VERTICAL 4 DIGITAL AND GREEN MANUFACTURING	VERTICAL 5 PROCESS EQUIPMENT AND PIPING DESIGN	VERTICAL 6 CLEAN AND GREEN ENERGY TECHNOLOGIES	VERTICAL 7 COMPUTATIONAL ENGINEERING	VERTICAL 8 DIVERSIFIED COURSES GROUP 1	VERTICAL 9 DIVERSIFIED COURSES GROUP 2	VERTICAL 10 DIVERSIFIED COURSES GROUP 3
Vertical I	Vertical II	Vertical III	Vertical IV	Vertical V					
Fintech and Block Chain	Entrepreneurship	Public Administration	Business Data Analytics	Environment and Sustainability					

Students Induction Programme (SIP):

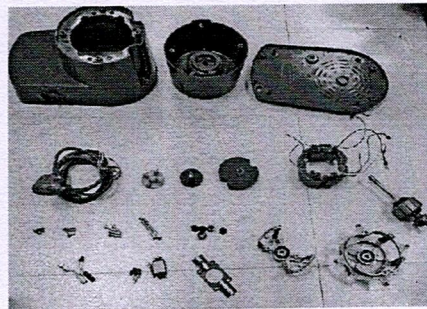
- Mr.R.Prabhakaran, Assistant Professor, display the first year students induction program time table with topics.

LEAP COURSE - Learn Engineering by Activity with Products:

- Mr.R.Prabhakaran, Assistant Professor, share the important of LEAP Course activities.



Integration of all the blocks:



Mentors Activies:

- Dr.S.Rajakarunakaran, Vice Principal and Professor & Head, Mentoring - 04 first year (Girls) Students.
- Dr.J.Jerold John Britto, Assistant Professor (SG), Mentoring -18 first year students.
- Mr.R.Prabhakaran, Assistant Professor, Mentoring -18 first year Students.
- Mr.R.Venkatesh, Assistant Professor, Mentoring -18 first year students.
- All the mentors give appreciation to class toppers in each internal assessment test.
- Mr.R.Prabhakaran, Assistant Professor, explained the daily What's app activities in Students & Parent group.

Co-Curricular & Extracurricular Progress.

Mr.R.Prabhakaran , Assistant Professor, Presented about the Co-Curricular Activities & Extracurricular Progress in our Mechanical Department. The following points discussed in the meeting.

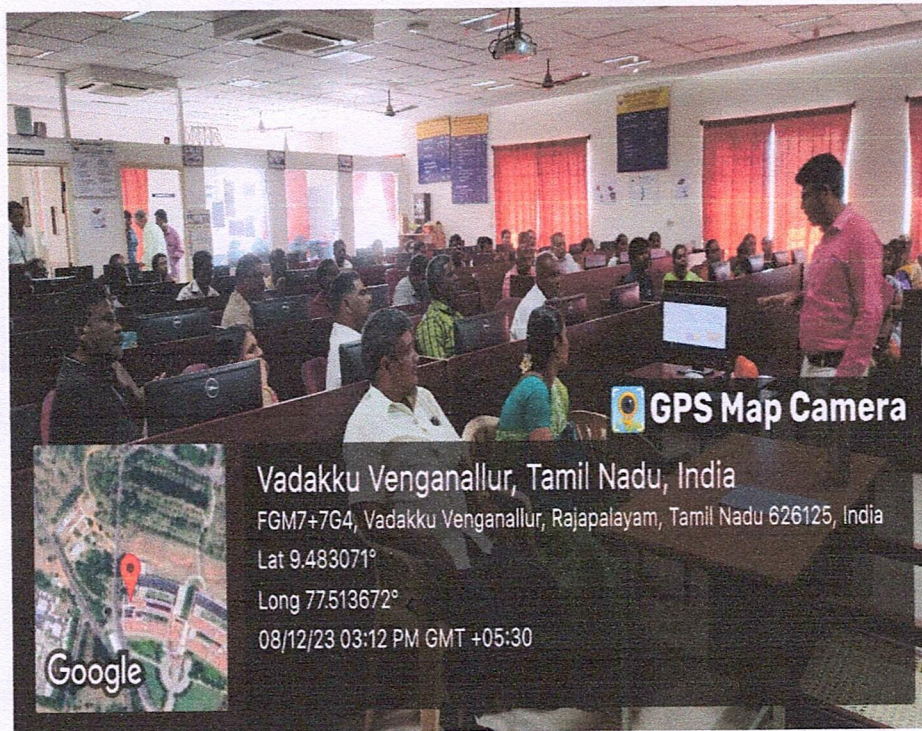
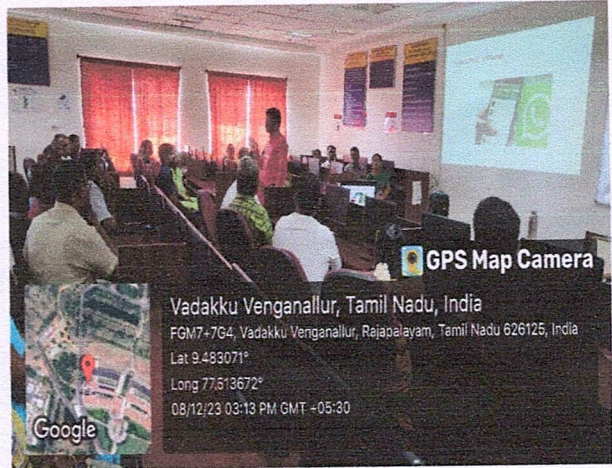
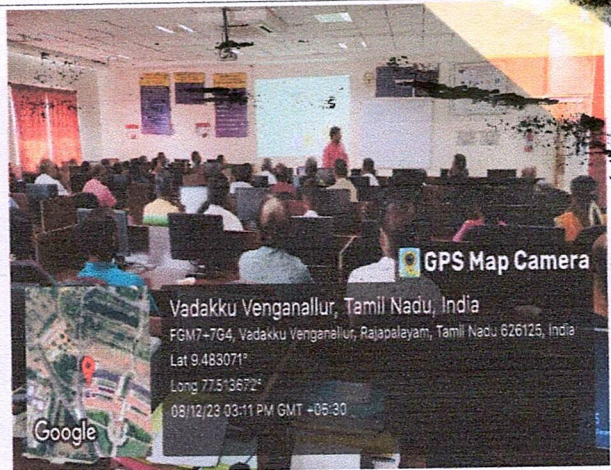
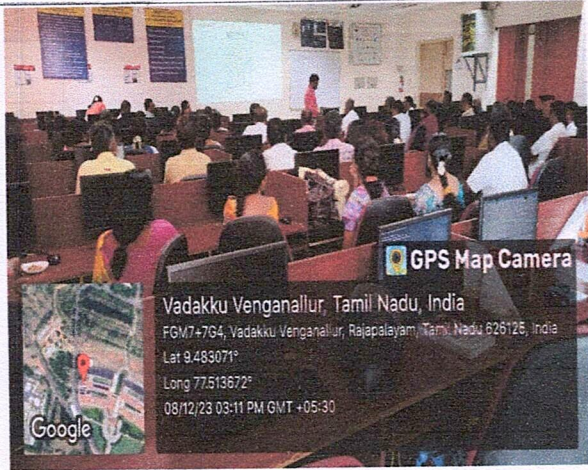
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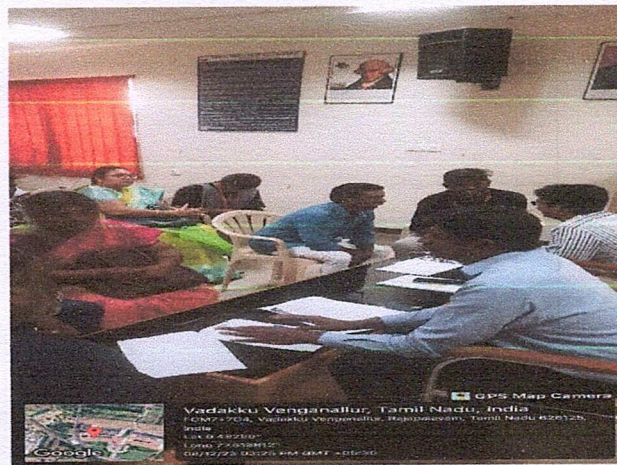
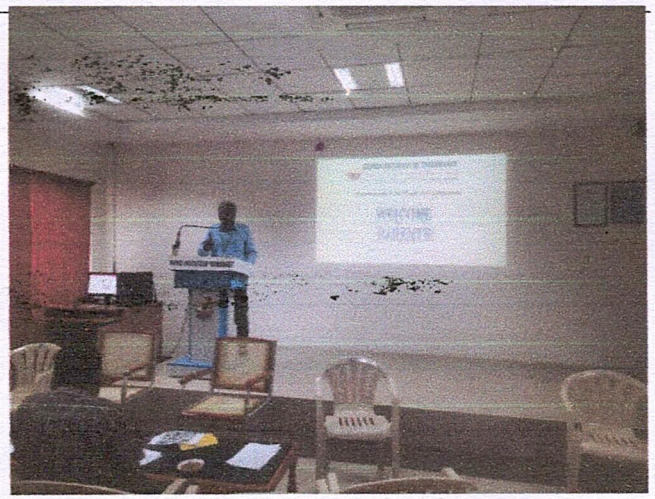
- **Co-Curricular & Extracurricular Activities**
- **Professional Societies Available**
- SAE INDIA
- IE(I)
- RIT-MECHANIZO
- ARC Club
- RIT-IITM-PALS
- ISIE-RIT-SRA
- ISHRAE

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HoD/
Faculty
members/

	<ul style="list-style-type: none"> ▪ Student Participations- Extra-Curricular Name: Muthukumar.M, I Year, Mechanical Engineering, TUG-OF-WAR,;10 state team's,4th place Organization: Tamilnadu TUG-OF-WAR association (REGD) Affiliated by: Tug of War Federation of India Recognized by: Ministry of youth affairs and sports (Govt of India) Date:03/12/2023 to 07/12/2023 Venue: Chinchaniya Beach,Balkar, Maharashtra ▪ R. Harish Krishnan, II Mech won 2nd Prize in “Drawing Competition” organized by 5(TN) SIG COY NCC at Rajapalayam Rajus College, Rajapalayam on 27 May, 2023. ▪ A. Mano Ranjith (Batch 2022-2026) won 1 Silver Medal in Football that has been achieved in the Annual Sports Day 2023 <p>Efforts taken from faculty side:</p> <ul style="list-style-type: none"> ▪ Student individual care ▪ Hostel study hour monitoring by course handling faculty ▪ For hostel students (Dept. faculty taking care of students beyond 6.30pm) Student individual care ▪ Provide simple notes and formulas to slow learners ▪ Motivate the slow learners for improve the confidence level. <p>Suggestions for improvement:</p> <ul style="list-style-type: none"> ▪ Unnecessary leave can be avoided ▪ Once the class starts, students should keep their phones in their bags ▪ Daily Class notes should be copied on to note books (Will be viewed by faculty) ▪ Encourage the usage of text and reference books instead of gadgets while studying ▪ Proper time management / Preparing working schedule ▪ Advise students to wear formal dress for regular working days ▪ Inline with positive thoughts/ Connect with good friends & Alumni ▪ Visit the college once or twice in semester and update student progress ▪ Finally, let learning happen slowly and without distraction. 		
3.	<p>Parents Interaction:</p> <ul style="list-style-type: none"> • Class Advisors and Mentors Interacted with parents and clarify their doubts. • Previous Semester Anna University Results • Internal Assessment Test Results. 	--	HoD/ Faculty members/ Class advisors/ Mentors
4.	<p>Vote of Thanks Dr.P.Sureshkumar, Associate Professor, gives the vote of thanks to all parents and faculty members.</p>		--
5.	The feedback form was circulated to all the parents and it was collected by the faculty Members.		Mrs.T.Gayathri, Junior Assistant





Prepared by:

M. Ramar
15/12/23
Mr.M.Ramar, AP/Mech

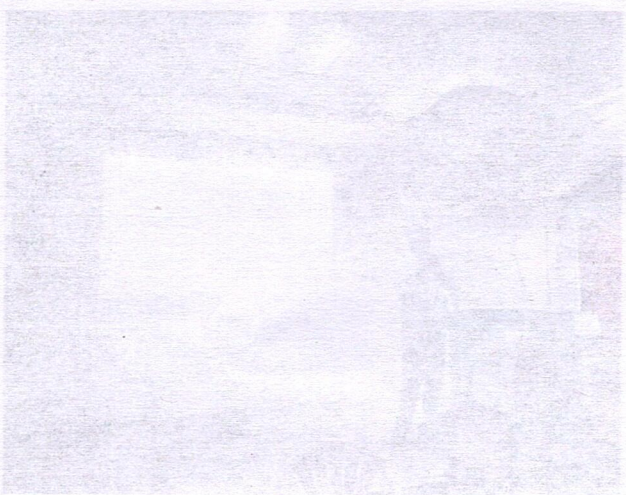
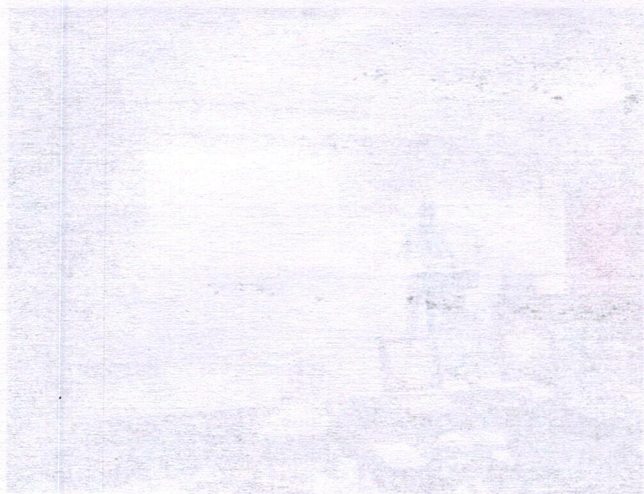
Reviewed by:

S. Rajakarunakaran
15/12/23
**Dr.S.Rajakarunakaran,
HOD/Mech**

Approved by:

[Signature]
27/12/23
Principal

Copy to: 1) HoD, GM(A) and faculty members through e-mail for information and needful action.
2) File



Approved by:

Reviewed by:

Prepared by:

Principal

Principal

Principal

Copy to: HOD, OVC and faculty members through e-mail for information and record.

Effective Date: 15/01/2018

Rev: 01

Page: 01/01



Program Educational Objectives (PEOs)

- Graduates will exhibit the capacity to demonstrate research and engineering skills in a multidisciplinary environment based on their own and others' professional contributions.
- Graduates will demonstrate professional development by learning together with others and contributing to the growth of the field of professional engineering.
- Graduates will exhibit leadership competencies and a commitment to social and environmental stewardship with respect to ethical responsibilities.

PROGRAM OUTCOMES (POs)

Engineering Graduates will be able to:

- Engineering knowledge: apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering systems.
- Problem analysis: identify, formulate, and analyze complex engineering problems by applying principles of engineering, science, and mathematics to a variety of situations that require the application of knowledge and the design of solutions to meet the needs of a community, organization, or client.
- Design/development of solutions: design complex engineering systems to meet specified requirements, including the use of appropriate design and engineering principles and design methods, and the selection of materials, components, and systems.
- Conduct investigations of complex problems: use research-based learning and design approaches to investigate complex engineering problems, design solutions, and conduct experiments and/or design and build a system, component, or process to meet the needs of a community, organization, or client.
- Modern tool use: apply modern engineering tools and techniques to complex engineering problems.
- Communication: communicate effectively with a range of audiences.
- Teamwork: function effectively as a member or leader of a team that includes engineering and non-engineering disciplines.
- Life-long learning: recognize the need for, and engage in, continuing education and professional development.

RAMCO INSTITUTE OF TECHNOLOGY

 **GPS Map Camera**

Vadakku Venganallur, Tamil Nadu, India

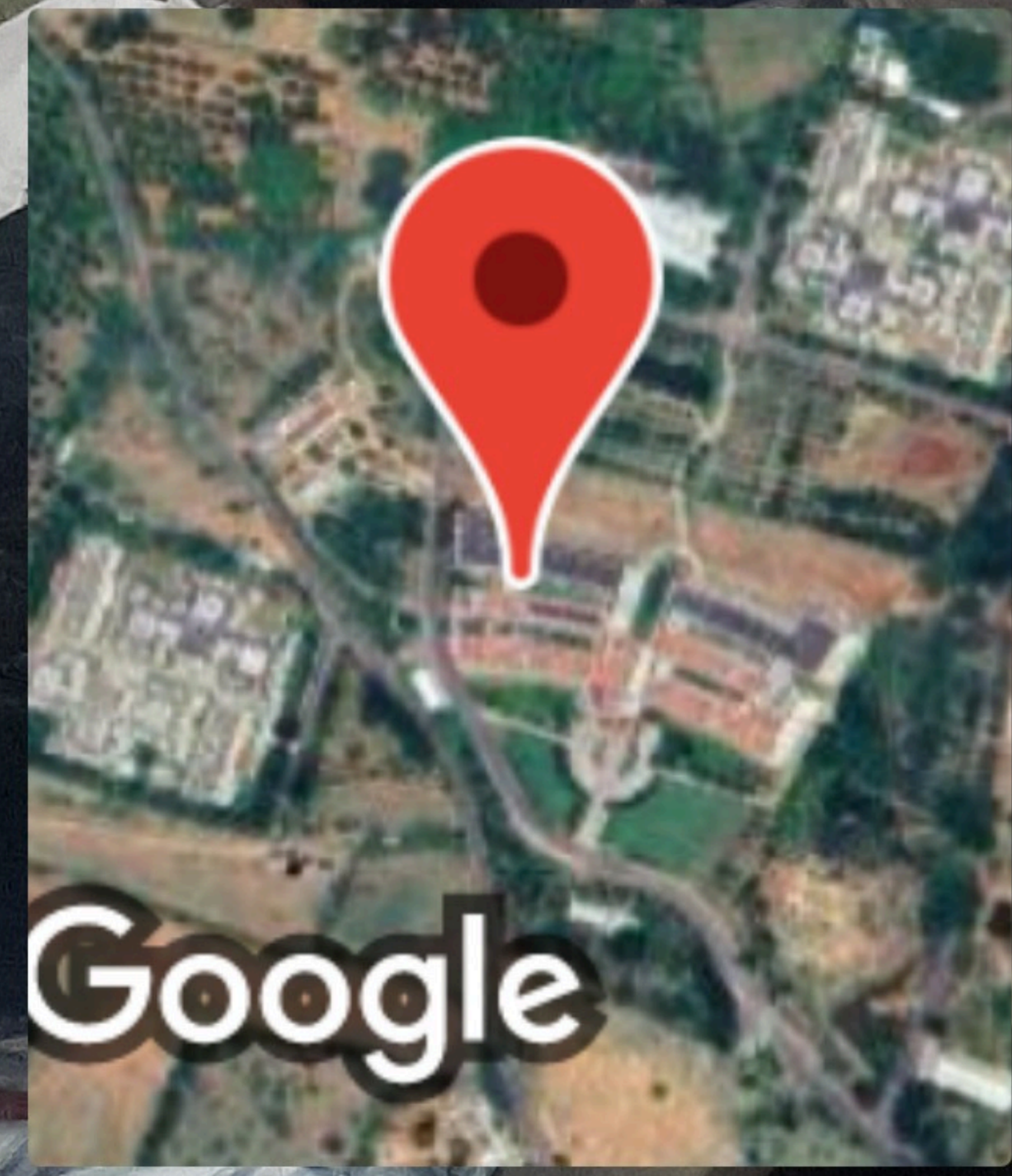
FGM7+7G4, Vadakku Venganallur, Rajapalayam, Tamil Nadu

626125, India

Lat 9.482915°

Long 77.513834°

24/07/23 09:28 AM GMT +05:30





PROGRAM OUTCOMES (POs)

- Engineering knowledge
- Problem analysis
- Design/development of solutions
- Conduct investigations of complex problems
- Modern tool usage
- The engineer and society
- Environment and sustainability
- Ethics
- Individual and team work
- Communication
- Project management and finance
- Life-long learning



GPS Map Camera



Rajapalayam, Tamil Nadu, India
Ramco Institute Of Technology

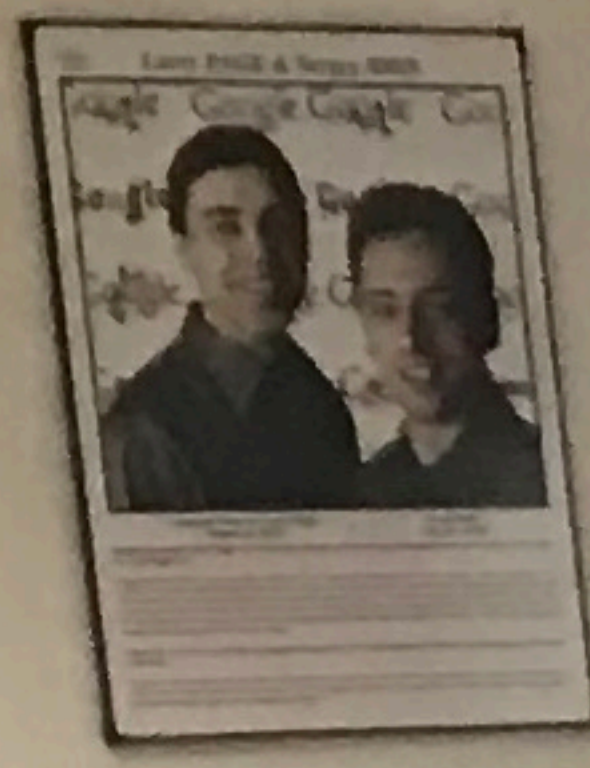
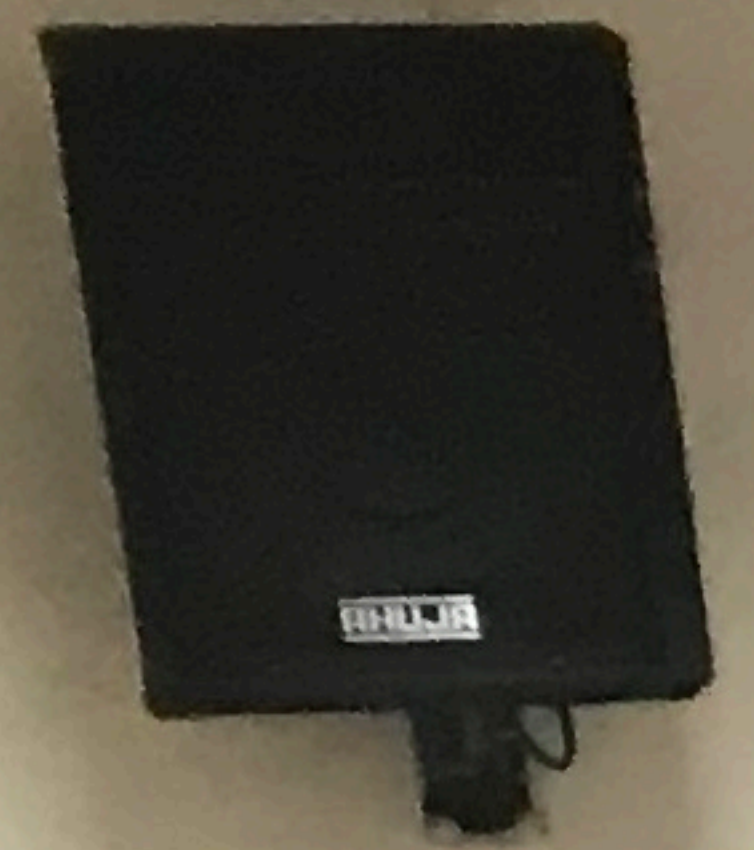
Lat 9.482512°

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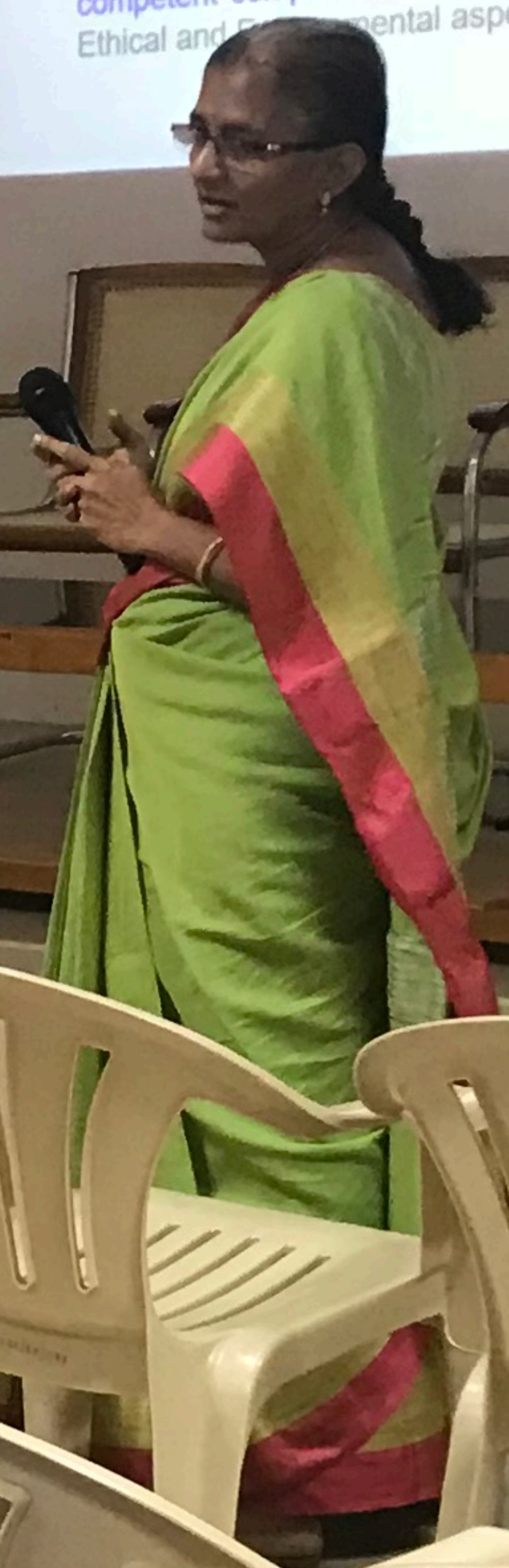
Google

TECHNOLOGY
... offering quality
... high quality
... emerging
... learning
... professionally
... society
TECHNOLOGY
...
... related activities of
... an entrepreneur
... to emerging
... with high ethical
... of society
... will be able to
... technologies to solve
...
... Computing and Cyber Security
... and Big Data Analytics for
... Industry and Research



MISSION OF THE DEPARTMENT

- 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.





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
Department of Electrical and Electronics Engineering

Minutes of the Parent Teachers Meeting

Date: 02.05.2023

Ref.: RIT/Academic/EEE/Parents Teachers Association Meeting/2022-2023/Even

The Parents Teachers Meeting for second, third and final year students was conducted on 21.04.2023(Friday) at 2.30 PM – 5.00 PM in EEE Seminar hall as per following Agenda.

1. Dissemination of department Vision, Mission, POs, PSOs, PEOs.
2. Academic Performance.
3. To describe about Mentoring System to Parents for student's career growth.
4. Facilities enhanced in our institution for student's academic learning and career growth.
5. Training and Placements Details.
6. Preparedness measure for Placement-Academic year 2022-2023
7. Feedback session

1. Welcome Address (by Dr K. Karthikeyan, ASP/EEE)

- Dr. K. Karthikeyan, ASP/EEE, welcomed all the parents of 2021-2025, 2020-2024 batch students, and faculty members to the Parents Teachers Association Meeting-II for the academic year 2022-2023.

2. Department developmental activities & II, III & IV year EEE class Progress

2a. Department developmental activities & II, III year EEE class Progress (Dr. B. Deepalakshmi, ASP/EEE)

Points Delivered	Suggestions /Feedback/Initiatives	Remarks with Target Date and Responsibility
<ul style="list-style-type: none"> • Vision, Mission, POs, PEOs and PSOs was disseminated • NAAC, NBA and ISO 9001: 2015 accreditation details were informed. • Student markable achievement in National and State level competitive exams was shared • Even semester results of the Academic year 2022-23 was shared. II Year – 47/64- 73.44% III Year – 43.33/60 - 72.13% IV Year –23/33- 69.69% 	<p>Feedback: In order to improve the academic performance of the students, Parents requested the faculty members to conduct more coaching classes</p>	<p>Responsibility: Course Handling Faculties, HoD</p>

Handwritten signature and date: 13.5.23

<ul style="list-style-type: none"> • Effective implementation of the CANVAS (Learning Management System) which provides students a better and easy learning environment was shared • Results of the Internal Assessment Test II and the details of IAT III Commencement was shared. • Effective implementation of Skill rack & Terv platform – Program and aptitude training was shared • Placement statistics of the previous batches is shared. Further the Notable achievement of 100% placement of 2018 – 2022 batch was shared. 	<p>Feedback: Parents appreciated the placement and training activities, special classes and mentoring of the students. Due to poor academic performance of the students, HoD/EEE insisted the parents to render their full cooperation regarding their attendance and academic improvement</p> <p>He insisted the parents to encourage their wards to develop their communication skill and learn basic level of programming language required for the company, since most of the software Companies expect only basic level of programming knowledge from students He also insisted the importance of doing micro project to get placed in core company</p>	<p>Responsibility: Class Advisors and Mentors, HoD</p>
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3. Interactions with Parents (by HOD, Class Advisors and Mentors)		
Points Discussed by the Parents	Suggestions /Feedback/Initiatives	Remarks with Target Date and Responsibility
<p>Mr. M. Jeya Krishna Babu</p> <ul style="list-style-type: none"> ❖ His mother requested the faculty member to conduct classes for personality development. 	<p>Feedback:</p> <ul style="list-style-type: none"> ❖ HoD replied that the students are attending placement trainings at department as well as college level. Additionally in Placement hour also students are trained for various company specific skills both technical as well as verbal. 	<p>Responsibility: Department Placement Coordinator, Class Advisors, Mentors and Faculty members.</p>
<p>Mr. P. Kayalvizhi</p> <ul style="list-style-type: none"> ❖ Her father insisted to conduct courses regarding higher studies. 	<p>Feedback:</p> <ul style="list-style-type: none"> ❖ HoD explained about the conducted events related to Higher studies under RIT-CGC. He also explained about the future planned events in CGC 	<p>Responsibility: HoD, CGC Co-ordinator.</p>

13523

<p>Mr. S. Lakshmi Narayanan</p> <ul style="list-style-type: none"> ❖ His mother appreciated about the department initiatives taken for the student's Extracurricular and Co-curricular activities 	<p>Feedback:</p> <ul style="list-style-type: none"> ❖ HoD assured that the effort taken for the students betterment will be continued and improved. 	<p>Responsibility: HoD, Class Advisors, Mentors , Association and Professional society Faculty Incharges.</p>
<p>Mr. R. Gokul</p> <ul style="list-style-type: none"> ❖ His father appreciated the efforts taken by the faculties for students placement and asked to continue the coaching class in upcoming days also 	<p>Feedback:</p> <ul style="list-style-type: none"> ❖ HoD explained about the special company specific training given by the faculties to all the students and assured that it will be continued 	<p>Responsibility: HoD, Department Placement Coordinator</p>
<p>Mr. N.Lissa Vardhini</p> <ul style="list-style-type: none"> ❖ Her mother appreciated about the conduction of Special coaching classes, Unit test for the student's academic improvement. She asked to give German Language coaching class. 	<p>Feedback:</p> <ul style="list-style-type: none"> ❖ HoD explained about the procedures of learning German course via Online. He also asked the student to contact in person for further support 	<p>Responsibility: HoD, Class Advisors, Mentors and subject faculty members</p>
<p>Mr. S. Sheik Mydeen Thanis</p> <ul style="list-style-type: none"> ❖ His mother enquired the academic performance of her son .She appreciated about morning presentation and satisfied with department activities. 	<p>Feedback:</p> <ul style="list-style-type: none"> ❖ HoD assured that the effort taken for the students betterment will be continued and improved 	<p>Responsibility: HoD, Class Advisors, Mentors and Faculty members.</p>
<p>Mr. M. Rajkumar</p> <ul style="list-style-type: none"> ❖ His father asked to improve the quality of food provided to the students. 	<p>Feedback:</p> <ul style="list-style-type: none"> ❖ HoD replied that the grievance will be represented to the corresponding Incharge and management officials 	<p>Responsibility: HoD, Class Advisors, Mentors.</p>
<p>Mr.B. Harish Ragav</p> <ul style="list-style-type: none"> ❖ His father asked to conduct classes to improve the communication skills of the students. 	<p>Feedback:</p> <ul style="list-style-type: none"> ❖ HoD informed that the special coaching classes exclusively for improving communication skill have been provided to the students by Placement and Training Cell and the placement hour is effectively utilized by the students to improve their aptitude and technical skills. Students improved their communication skills through various activities 	<p>Responsibility: HoD, Placement coordinator</p>

M
13523

	such as Morning Presentation etc.	
Mr. S. Antony Vimal ❖ His father insisted to conduct more Practical skill development programme for the betterment of the students.	Feedback: ❖ HoD explained about the details of value added course and technical lectures conducted for the students to improve their practical skills	Responsibility: HoD, Class Advisors, Mentors and subject faculty members, placement coordinator
Mr. R. Darwin Srithar ❖ His father requested the faculties to give more attention to all students individually for improving the student's performance in all aspects like Academics, Discipline and life skills.	Feedback: ❖ HoD explained about the effective mentoring system that has been followed in the college and various professional societies activities for improving the skill set of the students.	Responsibility: HoD, Class Advisors, Mentors and subject faculty members, placement coordinator

4. Suggestions provided by the Parents:

- ❖ Awareness for GATE exam should be given to the students.
- ❖ More coaching classes and assignments can be given to the students.
- ❖ Finally HoD appreciated T.Udhaya, III Year EEE and G.Angalaeswari, II Year EEE for compering the whole event in a nice manner.

5. (Interaction with Parents by Dr.S.Kannan, Prof& HoD/EEE & Mr A. Arunkumar, AP(SG)/EEE)

- Mr A. Arunkumar, AP(SG)/EEE welcomed all the Parents and he explained about the mobile phone usage by their wards. He insisted the parents to watch their wards and restrict them to use mobile phones for more hours. He also explained about the health issues that the students are facing because of over mobile usage. Finally, he requested the parents to cooperate with us for student's betterment.
- Dr.S.Kannan, Prof& HoD/EEE insisted the parents to decide their ward career regarding placement or higher studies or willing to write Government Examinations. He asked the parents not to leave their ward alone and keenly watch them to reduce their mobile usage. He also told the some physical activities will be given to hostel students for avoiding mobile phone usage.

6. Vote of Thanks (by Mr. E.Thangam, AP(SG)/EEE)

Mr.E.Thangam, AP(SG)/EEE, thanked all the parents for their valuable suggestions and spending their valuable time for their Ward's progress .

G. Sivapriya
 Prepared by:
 (Mrs.G.Sivapriya, AP/EEE)

S. Kannan
 Verified by
 (Dr.S.Kannan, HoD/EEE)

L. Ganesan
 Approved by:
 (Dr.L.Ganesan, Principal)

Copy to:

- 1) Circulate among the faculty members of Electrical and Electronics Engineering department through email for information and necessary action
- 2) File



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

Academic year: 2022 – 2023

Department of Electrical and Electronics Engineering

Minutes of the Parent Teachers Meeting

Date: 17.11.2022

Ref: RIT/Academic/EEE/Parents Teachers Association Meeting/2022-2023/odd

The Parents Teachers Meeting for second, third and final year students was conducted on 11.11.2022(Friday) at 2.30 PM – 5.00 PM in EEE Seminar hall as per following Agenda.

1. Dissemination of department Vision, Mission, POs, PSOs, PEOs.
2. Academic Performance.
3. To describe about Mentoring System to Parents for student's career growth.
4. Facilities enhanced in our institution for student's academic learning and career growth.
5. Training and Placements Details.
6. Preparedness measure for Placement-Academic year 2022-2023
7. Feedback session

1. Welcome Address (by Mr E. Thangam, AP(SG)/EEE)

- Mr E. Thangam, AP (SG)/EEE welcomed all the Parents of 2020-2024, 2019 – 2023 and 2018-2022 batches and the faculty members to 1st Parents teacher meeting for the academic year 2022-2023.

2. Presidential Address (by Dr.S. Kannan, HoD/EEE)

- HoD explained the overall department progress and initiatives taken for the student's academic and placement improvement. He insisted all the parents to support their Son/Daughter for their academic improvement and placement.

3. Department developmental activities & II, III & IV year EEE class Progress

3a. Naan Mudhalvan Course Details (Mr. A. Arunkumar, AP/EEE)

- Mr. A. Arunkumar, AP/EEE explained about the naan mudhalvan Scheme, an initiative taken by our Tamilnadu Government to all the parents. He further explained about the benefits and procedures of completing the Nan mudhalvan course. He also shared about the effective implementation of this scheme in our college.

3b. Coding Contest (Mr. A. Guna, AP/EEE).

- Mr. A. Guna, AP/EEE, explained about the opportunities and benefits of student participation in coding contest. He further shared about the details of student participation in the past coding contest. He insisted the parents to encourage their Son/Daughter to participate in the upcoming coding contest.

3c. Department developmental activities & II, III & IV year EEE class Progress (Mr . D. Karthik Prabhu , AP(SG)/EEE)

SB
23/11/22

Points Delivered	Suggestions /Feedback/Initiatives	Remarks with Target Date and Responsibility
<ul style="list-style-type: none"> • Vision, Mission, POs, PEOs and PSOs was disseminated • NAAC, NBA and ISO 9001: 2015 accreditation details were informed. • Student markable achievement in National and State level competitive exams was shared • Even semester results of the Academic year 2021-22 was shared. II Year – 34/60- 56.67% III Year - 44/61 - 72.13% IV Year –30/33- 90.90% 	<p>Feedback: Due to pandemic, the students have forgotten the learning habit, hence Parents requested to conduct coaching classes and give more assignments for the students to improve the academic performance.</p>	<p>Responsibility: Course Handling Faculties, HoD</p>
<ul style="list-style-type: none"> • Effective implementation of the CANVAS (Learning Management System) which provides students a better and easy learning environment was shared • Results of the Internal Assessment Test II and the details of IAT III Commencement was shared. • Effective implementation of Skill rack & Terv platform – Program and aptitude training was shared • Placement statistics of the previous batches is shared. Further the Notable achievement of 100% placement of 2018 – 2022 batch and 98% Placement of 2017 – 2021 batch was shared. 	<p>Feedback: Parents appreciated the placement and training activities, special classes and mentoring of the students.</p> <p>Students performance in IAT II was not up to the mark and he insisted the parents to render their full cooperation regarding their attendance and academic improvement</p> <p>He insisted the parents to encourage their wards to develop their skill sets such as communication skill, learn basic level programming language needed for the company, since Company needs only basic level of knowledge He also insisted the importance of doing microproject to get placed in core company</p>	<p>Responsibility: Class Advisors and Mentors, HoD</p>

02
23/12/22

3. Interactions with Parents (by HOD, Class Advisors and Mentors)		
Points Discussed by the Parents	Suggestions /Feedback/Initiatives	Remarks with Target Date and Responsibility
Mr. S. Maheen Sheik Mohideen ❖ His father appreciated the Placement initiatives such as training class and online practicing platforms taken for the students betterment and request to conduct the Parent teachers Meeting periodically.	Feedback: ❖ HoD assured to conduct the Parent Teachers Meeting periodically.	Responsibility: HoD, PTA Meeting Co-ordinator.
Mr. L. Alagendra ❖ His father assured to monitor his academic activities off the campus. He requested the faculty member to look after his placement	Feedback: ❖ HoD replied that the company specific coaching is provided to the students and also placement hour is given to the students to improve their aptitude and technical skills.	Responsibility: Department Placement Coordinator, Class Advisors, Mentors and Faculty members.
Mr. M. Jeyakrishna Babu ❖ His Mother insisted to encourage the students to participate in various co-curricular activities.	Feedback: ❖ HoD replied about the future Co-Circular events planned for the students.	Responsibility: HoD, Co-Curricular Co-ordinator.
Mr. S. Lakshmi Narayanan ❖ His mother appreciated about the department initiatives taken for the student's Extracurricular and Co-curricular activities	Feedback: ❖ HoD assured that the effort taken for the students betterment will be continued and improved.	Responsibility: HoD, Class Advisors, Mentors , Association and Professional society Faculty Incharges.
Mr. T. Suryakumar ❖ His father appreciated the efforts taken by the faculties for students placement and asked to continue further for better placement.	Feedback: ❖ HoD explained about the special company specific training given by the faculties to all the students	Responsibility: HoD, Department Placement Coordinator
Mr. N.Ramganes ❖ His father appreciated about the conduction of Special coaching classes, Unit test for the student's academic improvement.	Feedback: ❖ HoD assured that the effort taken for the students betterment will be continued and improved.	Responsibility: HoD, Class Advisors, Mentors and subject faculty members
Mr. S. Muthuhareesh ❖ His mother enquired the academic performance of her son .She appreciated about morning presentation and asked to improve his presentation skills	Feedback: ❖ HoD assured about the smooth and effective conduct of morning presentation	Responsibility: HoD, Class Advisors, Mentors and Faculty members.

<p>Mr. M. Sakthi Aravindh</p> <ul style="list-style-type: none"> ❖ His father asked to conduct training classes for government job. 	<p>Feedback:</p> <ul style="list-style-type: none"> ❖ HoD replied about the awareness programmes which was conducted recently through career guidance cell. 	<p>Responsibility: HoD, Class Advisors, Mentors and CGC Cell coordinator.</p>
<p>Mr. K. Anitha</p> <ul style="list-style-type: none"> ❖ Her father asked to conduct programming classes to improve the student coding skills. 	<p>Feedback:</p> <ul style="list-style-type: none"> ❖ HoD informed that the company specific coaching is provided to the students and the placement hour is effectively utilized by the students to improve their aptitude and technical skills. 	<p>Responsibility: HoD, Placement coordinator</p>
<p>Mr. V. Vimal Anand</p> <ul style="list-style-type: none"> ❖ His father insisted to conduct more skill development programme for the betterment of the students. 	<p>Feedback:</p> <ul style="list-style-type: none"> ❖ HoD explained about art of learning programme, value added course and technical lectures given by faculties. 	<p>Responsibility: HoD, Class Advisors, Mentors and subject faculty members, placement coordinator</p>

4. Suggestions provided by the Parents:

- ❖ Awareness for GATE exam should be given to the students. ✓
- ❖ Insight about higher studies opportunities can be given to the students. ✓
- ❖ More coaching classes and assignments can be given to the students.
- ❖ Details of the Placement drive can be shared to the parents. ✓
- ❖ More Sports events can be conducted for the students
- ❖ Finally HoD appreciated Abinayashri, IV Year EEE for compering the whole event in a nice manner.

5. Vote of Thanks (by Mr. Meenakshi Sundaravel, AP(SG)/EEE)

Mr. Meenakshi Sundaravel, AP(SG)/EEE, thanked all the parents for their valuable suggestions shared for their Ward's progress and he also thanked the parents for their presence

G. S. Sivapriya
Prepared by: 17/11/22
(Mrs.G.Sivapriya, AP/EEE)

S. Kannan
Verified by: 23/11/22
(Dr.S.Kannan, HoD/EEE)

L. Ganesan
Approved by: 23/11/22
(Dr.L.Ganesan, Principal)

Copy to:

- 1) Circulate among the faculty members of Electrical and Electronics Engineering department through email for information and necessary action
- 2) File



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

Academic year: 2022 – 2023
Department of Civil Engineering

Minutes of the Parent Teachers Meeting

Date: 18.08.2023

Ref.: RIT/Civil/Parents Meeting/2022-2023/Even

The Parents Teachers Meeting (Parents of I-Year students) was held on 28.07.2023 (Friday) at 3.00 PM – 5.00 PM in Civil I Year Class Room with the following Agenda.

- ✓ Welcome Address
- ✓ Dissemination of Department of Vision, Mission, PO, PSO, PEO
- ✓ Academic Progress & Performance of the Students
 - University Result Analysis (Nov/ Dec 2022)
 - Internal Assessment Test – I Performance (II Semester)
- ✓ Online Course completion of Students
- ✓ Co – Curricular & Extracurricular Activities
- ✓ Collection of Feedback

1. Welcome Address

- The meeting started with a welcome address by Dr.S.Dharmar, HOD, Department of Civil Engineering, extended a warm welcome to the Parents of 2022 – 2026 batch, faculty members, students and lab technicians.

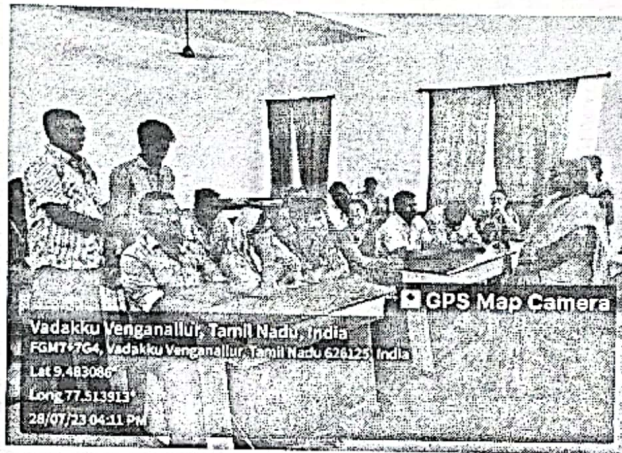
2. Presentation

- Mr.V. Ragavan, AP/Civil welcomed all the parents (11 Parents) and the faculty members for the PTA Meeting. He has delivered the details of all academic activities and Extra and Co- Curricular activities.

Points Delivered	Suggestions /Feedback/Initiatives	Remarks with Target Date and Responsibility
<ol style="list-style-type: none">1. Dissemination of Vision, Mission, POs, PEOs and PSOs has been done through presentation to the parents.2. The academic results of FIRST semester were not up to the expected level. Students have to be motivated further for improving their results.	Most of the students have studied school in Tamil medium so the students got struggle to learn and understand the concept, hence Parents requested to conduct coaching classes and give more assignments for students to improve their academic performance.	HoD, Class Advisors and Mentors


<p>3. Class Advisor informed that the students' performance in Internal Assessment Test I (Second Semester) was not up to the expected level.</p> <p>4. Class Advisor and Mentors requested the parents to give full cooperation to achieve 100% attendance in IAT 2 which starts on 31.07.2023 to 04.08.2023 and improving their academic performance.</p> <p>5. Mr.V. Ragavan explained about the Internship Training with the organisation which is the Industry Institute Interaction with its outcomes.</p>	<p>Parents appreciated the placement activities, special classes and mentoring of the students</p>	
<ul style="list-style-type: none"> • He provided statistics on Internship Training so far provided for II-, III-, and IV-year students. • He described about the Industrial Visit arranged for I-year students. • He clearly explained about the training and placement details, TERV Platform and about the company specific training provided to students. 	<p>Parents requested that a transportation service be provided for students during special classes. Parents requested that the class advisors to encourage their ward students to attend more skill development Program.</p>	<p>HoD/Class Advisors and Mentors</p>
<ul style="list-style-type: none"> • The specifics of the value-added courses that are offered were revealed. • Informed to parents about department consultancy projects, activities conducted through various professional societies. 	<p>Parents requested that the class advisors submit a report on their students IAT and University Exams performance and online course details via WhatsApp.</p>	<p>HoD/Class Advisors</p>
<ul style="list-style-type: none"> • He discussed students' online course information, BIM Lab facilities and Construction Practices Laboratory, which are being built but are not part of their Anna University curriculum. 	<p>Parents made recommendations to improve quantity and quality of lunch for their wards.</p>	<p>GM</p>
<ul style="list-style-type: none"> • Finally, he concluded his presentation with Scope for Civil Engineers. <p>6. Class Advisors asked parents to encourage their children to do well in the next internal assessment test, University Examination and to limit their use of mobile devices.</p>	<p>Parents are being advised to limit mobile phone use on campus and assign more written work to their students in order to minimize mobile phone usage at home.</p>	<p>HoD/Subject Handling Faculty members/Class Advisors/Mentors</p>

Glimpses of PTA Meeting

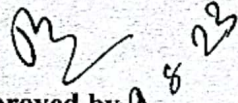


3. Vote of Thanks

The meeting was closed by extending a heartfelt vote of thanks by Mrs.R.Kalaimani, AP/Civil, for the valuable suggestions shared by Parents towards their Ward's progress and she thanked all the parents for attending first Parent Teachers Meeting in the academic year of 2022-2023.


Prepared by:
(Mr.V.Ragavan, AP/Civil)


Verified by
(HOD/Civil)


Approved by
(Principal)

Copy to:

- 1) Circulate among the Faculty members for information and necessary action
- 2) File

Alumni Meeting on 07.02.2021

afb-hgcr-uwm

REC

Department Mission

- Educate students to become enlightened engineers with the latest know how to take on the challenges concerned with the society.
- Equip the students with the current trends and latest technologies in the field of Electronics and Communication Engineering to make them technically strong and ethically sound.
- Constantly motivate the students and faculty members to achieve excellence in Electronics and Communication Engineering and Research & Development activities

DeepaLakshmi B joined

You Azhagujai... Periyana... 40 others

Call, Video, Mute, Unmute, Chat, More

REC

Program Educational Objectives (PEOs)

- ❖ Graduates will gain knowledge through continuous learning to enhance core competency and career prospects.
- ❖ Graduates will be technically competent to design, analyze, develop and implement Electronics and Communication Systems.
- ❖ Graduates will apply the basic fundamental concepts in Electronics and related fields to solve general engineering problems related to societal needs.
- ❖ Graduates will be professionals with attributes, passion, positive attitude, ethics and moral values for a successful career.
- ❖ Graduates will communicate effectively and interact responsibly with colleagues, employees, team members, clients and the society.

Periyana... S

You Azhagujai... Periyana... 41 others

Class Committee Meeting

RAMCO INSTITUTE OF TECHNOLOGY
Department of Computer Science and Engineering
Academic Year: 2020-2021(Even Semester)
Minutes of Class Committee Meeting I

Class: II Semester B.E. CSE A

Date & Time: 20.04.2021 & 12.45 PM

Members present:

Chair Person: Mrs.B.Vijayalakshmi

Class Adviser: Mr.T.Selvaganesh

Faculty members:

1. Dr. M. Anand
2. Mr. T. Selvaganesh
3. Dr. P. Thiruramanathan
4. Dr. N. Revathi
5. Ms. G. Sakthi Priya
6. Mr.S.Meenakshi Sundaravel
7. Dr.M. Gomathy Nayagam
8. Mr.S.Maharajan
9. Mrs.R.Ramalakshmi
10. Ms.S.Harini Shriram
11. Dr.K.Basari Kodi
12. Dr.G.Selvaraj

Student Representatives:

1. Abinaya M
2. Divya MK
3. Karthikeyan B
4. Praveen S
5. Sivakumar M
6. Subhiksha G

Points discussed	Target Date	Responsibility	Remarks
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 disseminated the following: <ul style="list-style-type: none"> • Institute Vision, Mission and Quality Policy • Department Vision and Mission • Department Programme Educational Objectives (PEOs) • Programme Outcomes and Programme Specific Outcomes (PSOs) 	Continuous	Class Committee student representatives	-

Form No. AC 12c

Rev.No. 02

Effective Date: 25.07.2018

RAMCO INSTITUTE OF TECHNOLOGY
 Department of Computer Science and Engineering
 Academic Year: 2020-2021(Even Semester)

Minutes of Class Committee Meeting I

Class: VI Semester B.E. CSE

Date & Time: 27.03.2021 & 06.30 PM

Members present:

Chair Person: Ms.P.Jothi Thilaga

Class Adviser: Mrs.B.Vijayalakshmi

Faculty members:

1. Dr.K.Vijayalakshmi
2. Dr.M.Kaliappan
3. Mrs.M.Swarna Sudha
4. Dr.M.Gomathy Nayagam
5. Dr.S.Vimal
6. Mrs.B.Vijayalakshmi
7. Mrs.L.Gethzi Ahila Poornima
8. Mr.M.Santhana Maruthu Pandian
9. Mrs.N.Nithya
10. Mr.C.A.Yogaraja
11. Dr.M.Anand

Student Representatives:

1. Aravinth R
2. Rambabu B
3. Evangelin Blessy A
4. Sri Darshini M B
5. Suriyaa M
6. Vaishnavi A

Points discussed	Target Date	Responsibility	Remarks
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 disseminated the following: <ul style="list-style-type: none"> • Institute Vision, Mission and Quality Policy • Department Vision and Mission • Department Programme Educational Objectives (PEOs) • Programme Outcomes and Programme Specific Outcomes (PSOs) 	Continuous	Class Committee student representatives	-

Form No. AC 12c

Rev.No. 02

Effective Date: 25.07.2018

Dissemination in first class in semester

Presentation Details : Date : 19/2/2021

8.50 A.M - 9.00 A.M	Topic of Presentation	Name of the Student
	-	-

DETAILS OF CLASS ROOM CONTENT DELIVERY :

Period	Subject Code / Name	Topics Covered	Mode of Content Delivery	Register Number of Absentees	Faculty Name and Signature	Class/Topic Alteration Details
1.	CS8075 IT8076	Vision, Mission, - department Course objectives, Course outcomes, Syllabus, Introduction	Lcd/white Board	10, 11, 19, 20, 22, 40, 44, 45, 46, 1	<i>[Signature]</i> 19/2/2021	
2.	CS8075	vision, PO, syllabus, introduction slw Basic concepts, Architecture components	Testing	"	<i>[Signature]</i> 19/2/2021	
3.	CS8691	Dissemination of vision, COS, POS, Mission & PSOs, Introduction	LCD	"	<i>[Signature]</i> 19/2/21	
4.	CS8662	} Develop an application that uses GUI components, font and colors.	LAB	"	<i>[Signature]</i> 19/2/2021	
5.						
6.	CS8661	1) Create a webpage using Image map	LAB	"	<i>[Signature]</i>	
7.		1a) Write an HTML code to display table with data		"	<i>[Signature]</i>	
		1b) Design a webpage with <i>[unclear]</i>		"	<i>[Signature]</i>	
1, 2	QE8075	Pre course assessment & Introduction to IPAs. Basic concepts & need for Intellectual Property - Patent	LCD	"	<i>[Signature]</i>	

Class Representative: *A. Vaishnavi* Class Advisor: *[Signature]* 19/2/21 HOD / Incharge: *[Signature]* 19/2/2021

Form No. AC08 Rev. No. 00 Effective Date : 18.01.2016

Dissemination of Vision, Mission and PEOs in various stakeholders meetings

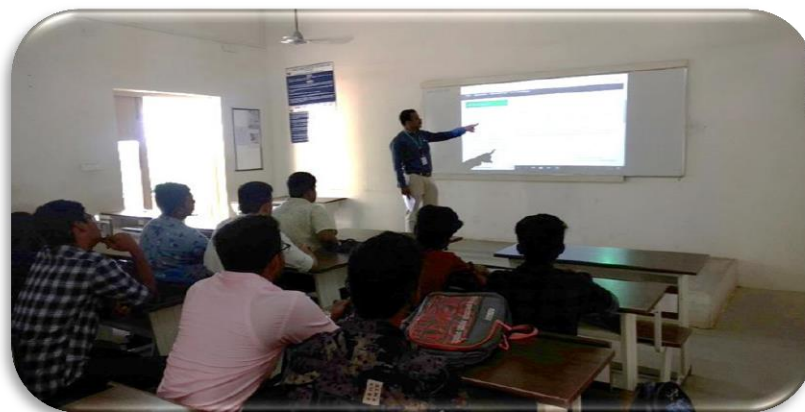
First day of the academic classes Commencing



Final Year Mechanical Engineering



Third Year Mechanical Engineering

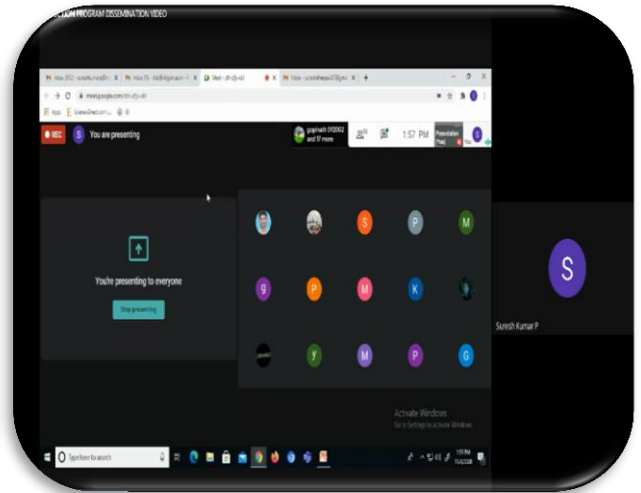
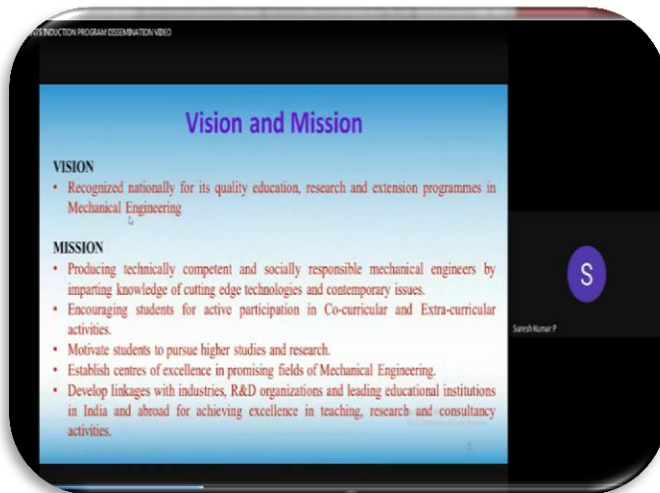


Second Year Mechanical Engineering



First Year Mechanical Engineering

1Students Induction Program



Minutes of Parents Teacher Meeting



RAMCO INSTITUTE OF TECHNOLOGY
 Approved by AICTE, New Delhi & Affiliated to Anna University
 Accredited by NAAC & an ISO 9001: 2015 Certified Institution
 Academic Year 2020-21
VIRTUAL PARENTS – TEACHERS MEETING MINUTES



Ref.: RIT/MECH/PTA/2020-2021/01

Date:29.04.2021

Minutes of Meeting of the Faculty members with parents of Mechanical Engineering Department Students

The Coordinator of Criteria 1 conducted a Meeting with the faculty members and parents of mechanical engineering students on 25.04.2021 at 10.30 am through Google meet and discussed the following points.

Google Meet Link: meet.google.com/uek-nyrd-nma

Members present: HoD, Faculty Members, Class Advisors, Mentors and parents of Second and Third year students of Mechanical Engineering. Totally 50 parents were attended the Parents Teacher Meeting.			
Sl.No.	Points discussed	Target Date	Responsibility
1.	<u>Welcome address</u> Mr.L.Karthikeyan, Assistant Professor, Department of Mechanical Engineering welcomed the parents and all faculty members.	--	--
2.	<u>Academics – Teaching and Learning Process/ Assessment & Evaluation</u> Mr.R.Arun Kumar, Assistant Professor, Presented about the Academics – Teaching and Learning Process/ Assessment & Evaluation methods followed in our Mechanical Department. The following points discussed in the meeting. <u>Innovations In TLP</u> <ul style="list-style-type: none"> • Use of ICT tools • Unique Instructional Delivery Methods • Effective and Transparent Assessment <u>Curriculum gap identification and content beyond the syllabus:</u> <ul style="list-style-type: none"> • Sample subject were taken and details were explained about how curriculum gap were identified in that subject. To bridge the gap in existing curriculum, Value Added Courses and workshops, seminars, webinars are conducted. <u>Students feedback related to teaching and learning:</u> <ul style="list-style-type: none"> • Sample feedback forms were shown into the parents and also steps taken to improve Teaching Learning process by considering the students feedback was also presented. 	--	HoD/ Faculty members/
3.	<u>Co-Curricular & Extracurricular Activities</u> Mr.G.Prabu Ram, Assistant Professor (S.G), Presented about the Co-Curricular & Extracurricular Activities. in our Mechanical Department. The following points discussed in the meeting. <ul style="list-style-type: none"> • Dissemination of Vision, Mission, PEO, PO and PSO • Professional Societies Available 		

M
18.01.2016

<ul style="list-style-type: none"> • ISTE <ul style="list-style-type: none"> ✓ IPR Awareness Workshop ✓ Thematic Presentation ✓ Holistic Handling Employees in workplace event ✓ Vehicle Sponsorship • Text SAE INDIA <ul style="list-style-type: none"> ✓ Tier I Events for past three years ✓ Seminar on Recent Advancement in Manufacturing ✓ Lecture Meeting on Brake system design • IE(I) <ul style="list-style-type: none"> ✓ Conducted Workshop/Webinars/Quiz Programs ✓ Received fund under R&D Grant-in-aid Scheme for the year 2016, 2018 & 2019 • IWS <ul style="list-style-type: none"> ✓ Seminar on Advancement of Welding Presentations ✓ Technical Talk on Modern surface coating technology • ISHRAE <ul style="list-style-type: none"> ✓ Technical Talk on VRF systems ✓ Industrial Visit ✓ aQuest Quiz competition ✓ Job Junction • ICTACT <ul style="list-style-type: none"> ✓ FDP on Autodesk Fusion 360 ✓ FDP on AutoCAD 2016 ✓ India Design Week Competition • PALS • Students Achievements <ul style="list-style-type: none"> • Silver medalist in WFSKO Open Asian/ International Karate Championship 2018 • First Prize in SRJIAN- Indian Railways 2018 • RC RACE CHAMPION NIT WARANGAL 2017 • ESVC RUNNER UP 2017, BEST CROSSPAD 2018 • SUVIC AUTO CROSS AWARD 2018 • TNeGA Award 2015 for TARS APP • GATE 2020 Scorers • InTech Olympiad 2020 Winner • Best Humanitarian Award '19 for Tamizhan Siragul NGO • Represented Team India in Continental Football League-Moscow 2019 • ICTACT STUDENT INNOVATOR AWARD 2018 & 2019 • First Prize in Tech 2 Farm Event at IIT Madras 2018 	--	HoD/ Faculty members/ Students
--	----	---

Form No. AC 11b

Rev.No. 00

Effective Date: 18.01.2016

4.	<p>Training and Placements Mr.M.Lakshmanan, Assistant Professor (S.G), Presented about the Training and Placements process followed in our Mechanical Department. The following points discussed in the meeting:</p> <ul style="list-style-type: none"> • Briefed the training programmes: Shared the statistics of Placement(2020 -2021) as on 10.04.2021 <ul style="list-style-type: none"> • Total number of offers received : 100 • Number of students placed : 85 • Number of students opted for placement : 103 • Number of students with single offer : 65 • Number of students with double offer : 19 • Number of students with triple offer: 01 • Companies to be Visited: <ul style="list-style-type: none"> • National Instruments : 05 Students • TVS Advanced Training Program : 11 Students • TVS Harita Techserv Software Training: 13 Students • Company Visited Details <ul style="list-style-type: none"> • No. of companies Visited = 34 • Core Companies Visited = 16 • IT Companies visited = 16 • Training and Development Companies visited: 02 • Department placement statistics for the past four years <table border="1" data-bbox="552 1386 844 1543"> <thead> <tr> <th>Batch</th> <th>Placement Details</th> </tr> </thead> <tbody> <tr> <td>2013 -2017</td> <td>70 %</td> </tr> <tr> <td>2014 -2018</td> <td>76 %</td> </tr> <tr> <td>2015 -2019</td> <td>80 %</td> </tr> <tr> <td>2016 -2020</td> <td>81 %</td> </tr> <tr> <td>2017 -2020</td> <td>83 %</td> </tr> </tbody> </table> <ul style="list-style-type: none"> • Machinate for Placements (Training): <ul style="list-style-type: none"> • Soft skills & Personality Development Training • Career Guidance Training • Case study workshops • Mock Interview and GD Sessions • Resume Building Training • Company specific training • HR Interactive sessions • Webinars/Workshops • Online courses (Edx, Coursera, MIT Courses) • Employability enhancement courses • Boot camp • Alumni Interactive sessions • Highlighted by importance of practice in skill rack / TERY / 	Batch	Placement Details	2013 -2017	70 %	2014 -2018	76 %	2015 -2019	80 %	2016 -2020	81 %	2017 -2020	83 %	--	HoD/ Faculty members/ Placement coordinators/ Students
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Rev.No. 00

Effective Date: 18.01.2016

GM/LS

	<p>Great Learning and other online practices</p> <ul style="list-style-type: none"> Informed about the Special training in software / Programming skills 																																		
5.	<p>Department – Industry Interaction</p> <p>Dr.P.Sureshkumar, Associate Professor, Presented about the Department – Industry Interaction in our Mechanical Department. The following points discussed in the meeting.</p> <ul style="list-style-type: none"> Outcome of Industry- Interaction <table border="1"> <thead> <tr> <th>Name of the Industry</th> <th>Outcome</th> </tr> </thead> <tbody> <tr> <td>Heritn Teshury Ltd, Chennai</td> <td>12 Faculty and 2 technician trained. 109 student trained, 6 student Internship, 34 student placed</td> </tr> <tr> <td>Rameo Group of Textile Division, Rajapalayam</td> <td>Student Project, Industrial visit for faculty members and students</td> </tr> <tr> <td>Gowri House Metal Works, Rajapalayam</td> <td>Two Lecture series conducted, Industrial problem solved, Industrial visit for faculty members and students</td> </tr> <tr> <td>Minniyal Private Limited, Krishnankoil</td> <td>Guest Lecture delivered by expert, Project proposal</td> </tr> <tr> <td>Dynamic TEK, Chennai</td> <td>Student trained NDT, Placement offered given</td> </tr> <tr> <td>MEDSBY Healthcare and Engineering Solutions Coimbatore.</td> <td>Received Best Collaborator award in National Level, Faculty and student training, Product developed</td> </tr> <tr> <td>Tvs training and services, Chennai.</td> <td>52 student trained, 47 student got placement</td> </tr> <tr> <td>Rameo Cements Ltd.,Chennai.</td> <td>Industrial Visit for faculty and student, Placement were given through Placement section</td> </tr> <tr> <td>Rameo systems Ltd.,Chennai.</td> <td>Industrial visit for faculty and student, 2 student placed</td> </tr> <tr> <td>Rameo Industries Ltd., Chennai.</td> <td>Industrial visit for faculty members and students, Student Project</td> </tr> <tr> <td>TCSion, Chennai.</td> <td>Industrial visit for faculty members and students</td> </tr> <tr> <td>M.S. Chellamuthu trust, Madurai</td> <td>Guest lecture given for professional ethics, Faculty Training attended</td> </tr> <tr> <td>Geons Logix, Madurai</td> <td>Industrial visit for faculty members and students</td> </tr> <tr> <td>NI Systems Private Limited, Bangalore</td> <td>Student attending training, after completing training placement will be given</td> </tr> <tr> <td>Imarticus learning Pvt. Ltd., Mumbai</td> <td>Industrial visit for faculty members and students, student</td> </tr> </tbody> </table>	Name of the Industry	Outcome	Heritn Teshury Ltd, Chennai	12 Faculty and 2 technician trained. 109 student trained, 6 student Internship, 34 student placed	Rameo Group of Textile Division, Rajapalayam	Student Project, Industrial visit for faculty members and students	Gowri House Metal Works, Rajapalayam	Two Lecture series conducted, Industrial problem solved, Industrial visit for faculty members and students	Minniyal Private Limited, Krishnankoil	Guest Lecture delivered by expert, Project proposal	Dynamic TEK, Chennai	Student trained NDT, Placement offered given	MEDSBY Healthcare and Engineering Solutions Coimbatore.	Received Best Collaborator award in National Level, Faculty and student training, Product developed	Tvs training and services, Chennai.	52 student trained, 47 student got placement	Rameo Cements Ltd.,Chennai.	Industrial Visit for faculty and student, Placement were given through Placement section	Rameo systems Ltd.,Chennai.	Industrial visit for faculty and student, 2 student placed	Rameo Industries Ltd., Chennai.	Industrial visit for faculty members and students, Student Project	TCSion, Chennai.	Industrial visit for faculty members and students	M.S. Chellamuthu trust, Madurai	Guest lecture given for professional ethics, Faculty Training attended	Geons Logix, Madurai	Industrial visit for faculty members and students	NI Systems Private Limited, Bangalore	Student attending training, after completing training placement will be given	Imarticus learning Pvt. Ltd., Mumbai	Industrial visit for faculty members and students, student		<p>HoD/ Faculty members/ Industry Institute Cell coordinator</p>
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	<p>project</p> <p>Great Learning</p> <p>Aravind Herbal, Rajapalayam</p> <p>Indian Welding Society, Trichy</p> <p>V-Invent Chemilab Private Limited, Rajapalayam</p> <p>Rags Nursery Garden, Rajapalayam.</p>																																																											
6.	<p>Research & Development</p> <p>Dr.V.Sureshkumar, Associate Professor, Presented about the Department – Industry Interaction in our Mechanical Department. The following points discussed in the meeting.</p> <ul style="list-style-type: none"> List of Conference/Journal/Book Chapter/Copyrights <table border="1"> <thead> <tr> <th>Academic Year</th> <th>Confer- ence</th> <th>Journa l</th> <th>Copyri ght</th> <th>Book chapter</th> </tr> </thead> <tbody> <tr> <td>2014-2015</td> <td>11</td> <td>05</td> <td>-</td> <td>-</td> </tr> <tr> <td>2015-2016</td> <td>02</td> <td>02</td> <td>-</td> <td>-</td> </tr> <tr> <td>2016-2017</td> <td>36</td> <td>01</td> <td>-</td> <td>-</td> </tr> <tr> <td>2017-2018</td> <td>15</td> <td>06</td> <td>-</td> <td>-</td> </tr> <tr> <td>2018-2019</td> <td>33</td> <td>00</td> <td>-</td> <td>-</td> </tr> <tr> <td>2019-2020</td> <td>21</td> <td>11</td> <td>1</td> <td>7</td> </tr> <tr> <td>2020-2021*</td> <td>32</td> <td>18</td> <td>3</td> <td>2</td> </tr> <tr> <td>Total</td> <td>150</td> <td>49</td> <td>4</td> <td>9</td> </tr> </tbody> </table> <ul style="list-style-type: none"> Patents Details <ul style="list-style-type: none"> First Statement of inventions - 5 Published in Patent Journals - 6 Patent filed - 1 Patent Issued - 1 Submission of Project Proposals to Funding Agencies <table border="1"> <thead> <tr> <th>Academic Year</th> <th>Funding Agency</th> <th>No. of Proposals</th> <th>Tot. No. of Proposals</th> </tr> </thead> <tbody> <tr> <td>2016-2017</td> <td>ISI P.R.D Cell</td> <td>1</td> <td>1</td> </tr> <tr> <td>2018-2019</td> <td>ISI National</td> <td>3</td> <td>21</td> </tr> </tbody> </table>	Academic Year	Confer- ence	Journa l	Copyri ght	Book chapter	2014-2015	11	05	-	-	2015-2016	02	02	-	-	2016-2017	36	01	-	-	2017-2018	15	06	-	-	2018-2019	33	00	-	-	2019-2020	21	11	1	7	2020-2021*	32	18	3	2	Total	150	49	4	9	Academic Year	Funding Agency	No. of Proposals	Tot. No. of Proposals	2016-2017	ISI P.R.D Cell	1	1	2018-2019	ISI National	3	21		<p>HoD/ Faculty members/ RC Coordinator</p>
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2019-2020	Grand Challenge Award			
	TNSCST - SPS	7		
	IEI R&D Cell	1		
	TNSCST - STPS	7		
	DST - WFI	1		
	DST - SSTP	1		
	IEI R&D Cell	1		
	SIRSI - MATRICS	1		
	DST • CORE Research Grant	1		
	RuTAG - IT Madras	3		
	DSI-NIMAT	1		
	Indian Poland Joint Proposed	1		
	TNSCST - SPS	10		24
	DST • CORE Research Grant	1		
RuTAG - IT Madras	1			
IWS	1			
SIRSI	2			
AICTE MODROB	1			
2020-2021*	ISHRAE	1		
	FAER	7		
	DST - DDP	1 (CSE)		
	DST - TDT	1		
	DST	1 (Phy. & Che.)		29
	DST WMT	4		
	DST WMT	1 (CSE)		
	TNSCST - SPS	11		

• Status of Funded Projects

Academic Year	Funding Agency	No. of Proposals	Tot. No. of Proposals	Sanctioned amount in Rs.
2016-2017	IEI R&D Cell	1	1	50,000

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2018-2019	DST	1	3	15,75,010
	TNSCST	1		7,500
	IEI R&D Cell	1		20,000
2019-2020	IEI R&D Cell	1	5	30,000
	RuTAG - IT Madras	1		1,03,000
	DST-NIMAT	1		20,000
	IWS	1		10,000
	AICTE MODROB	1		17,75,667

• Funds received from CSR

Academic Year	Event Participation	Funding Agency	Funded amount in Rs.
2016-2017	Electric Solar Vehicle Championship 2017	Rath Engg. & Manufact. Co. Kuwait	1,00,000
		Pandyan Grama Bank, Rajapalayam	15,000
2017-2018	Mega ATV Championship 2018	The Ramco Cements Limited Ramco Industries Limited	4,00,000
			2,12,435
2018-2019	Electric Solar Vehicle Championship 2018	Kujali Enterprises, Tirunelveli	80,000
		The Lama Trust, Theni,	20,000
		Pandyan Grama Bank, Rajapalayam	10,000
2019-2020	E-Daja, E-Velo, E-Renons, Spartans, JUYC, SAE Efficycle, Dajaga ATV, SAEISS TDC	The Ramco Cements Limited & Ramco Industries Limited	12,00,000

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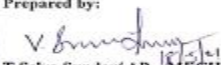
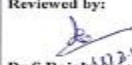
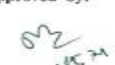
Effective Date: 18.01.2016

	<ul style="list-style-type: none"> • Research promotional activities <ul style="list-style-type: none"> • Inter disciplinary projects • Internship from the reputed institution like IIT Madras • Institute industry interaction • In house project • Eminent Lecture Series – International / National 		
7.	<p>Accreditation Process</p> <p>Mr.T.SelvaSundar, Assistant Professor, Presented about the Accreditation Process in our Mechanical Department. The following points discussed in the meeting.</p> <ul style="list-style-type: none"> • NAAC & NBA Process <ul style="list-style-type: none"> • Importance of Accreditation Process • Outcome of Accreditation • Outcome based Education • Difference between AICTE Approval, NAAC & NBA Approval. 	--	HoD/ Faculty members/ NBA & NAAC Coordinators
8.	<p>Future Plan</p> <p>Mr.J.Jerold John Britto, Assistant Professor (S.G), Presented about the Future Plan of our Mechanical Department. The following points discussed in the meeting.</p> <ul style="list-style-type: none"> • Establishment of PG Courses <ul style="list-style-type: none"> • Industrial Safety Engineering • Manufacturing Engineering • M.Tech Mechatronics • M.Tech Industrial Automation and Robotics • Appearing for 6 years of NBA <ul style="list-style-type: none"> • Global mobility, increased employability, and greater opportunity • Better recognition for Institutions • Continuous quality improvement • Improved Student Performance • Attracts employers attention • A tone of credibility to the institutions • Doubled faculty contribution, better results • Better quality assurance to society • Smarter students • Easy MOU process • Research Centre Establishment <ul style="list-style-type: none"> • Enhances knowledge: • Clarifies confusion: • To have a proper understanding of the subject: • To learn about the methods and issues: • Understand the published work: • Learn to create a balance between collaborative and individual work: • To know the interest: 	--	HoD/ Faculty members

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Effective Date: 18.01.2016

	<ul style="list-style-type: none"> • To know how the original study originated: • Understanding the rationale • Establishment of Centre of Excellence in the recent area • Collaboration with Overseas University and Indian Research Centre • Establishment of Product Development Centre • CDIO – Lab Implementation • MSME funded Institute 		
9.	<p>Parents Interaction with HOD/ Class Advisors/Mentors</p> <ul style="list-style-type: none"> • Dr.D.Rajakumar, Vice Principal and Professor & Head, Class Advisors and Mentors Interacted with parents and clarify their doubts • Parents congratulated our faculty members for getting MSME Fund. • Placement Activities. • Anna University Results 		HoD/ Faculty members/ Class advisors/ Mentors
10.	<p>Vote of Thanks</p> <p>Mr.C.Gururaj, Assistant Professor (S.G), gives the vote of thanks to all parents and faculty members.</p>	--	
11.	The feedback form was circulated to all the parents and it was collected by the PTA faculty coordinators.		Dr.S.Godwin Barnabas,ASCP/ Mech.
Prepared by:  T.Selva Sundar/ AP –MECH		Reviewed by:  Dr.S.Rajakumar HoD/MECH	Approved by:  Principal

Copy to: 1) HoD, DGM(A) and faculty members through e-mail for information and needful action.

2) File

Minutes of Parents Teacher Meeting



RAMCO INSTITUTE OF TECHNOLOGY
 Approved by AICTE, New Delhi & Affiliated to Anna University
 Accredited by NAAC & an ISO 9001: 2015 Certified Institution
 Academic Year 2020-21
VIRTUAL PARENTS – TEACHERS MEETING MINUTES



Ref.: RIT/MECH/PTA/2020-2021/01

Date:29.04.2021

Minutes of Meeting of the Faculty members with parents of Mechanical Engineering Department Students

The Coordinator of Criteria 1 conducted a Meeting with the faculty members and parents of mechanical engineering students on 25.04.2021 at 10.30 am through Google meet and discussed the following points.

Google Meet Link: meet.google.com/uek-nyrd-nma

Members present: HoD, Faculty Members, Class Advisors, Mentors and parents of Second and Third year students of Mechanical Engineering. Totally 50 parents were attended the Parents Teacher Meeting.			
Sl.No.	Points discussed	Target Date	Responsibility
1.	<u>Welcome address</u> Mr.L.Karthikeyan, Assistant Professor, Department of Mechanical Engineering welcomed the parents and all faculty members.	--	--
2.	<u>Academics – Teaching and Learning Process/ Assessment & Evaluation</u> Mr.R.Arun Kumar, Assistant Professor, Presented about the Academics – Teaching and Learning Process/ Assessment & Evaluation methods followed in our Mechanical Department. The following points discussed in the meeting. <u>Innovations In TLP</u> <ul style="list-style-type: none"> • Use of ICT tools • Unique Instructional Delivery Methods • Effective and Transparent Assessment <u>Curriculum gap identification and content beyond the syllabus:</u> <ul style="list-style-type: none"> • Sample subject were taken and details were explained about how curriculum gap were identified in that subject. To bridge the gap in existing curriculum, Value Added Courses and workshops, seminars, webinars are conducted. <u>Students feedback related to teaching and learning:</u> <ul style="list-style-type: none"> • Sample feedback forms were shown into the parents and also steps taken to improve Teaching Learning process by considering the students feedback was also presented. 	--	HoD/ Faculty members/
3.	<u>Co-Curricular & Extracurricular Activities</u> Mr.G.Prabu Ram, Assistant Professor (S.G), Presented about the Co-Curricular & Extracurricular Activities. in our Mechanical Department. The following points discussed in the meeting. <ul style="list-style-type: none"> • Dissemination of Vision, Mission, PEO, PO and PSO • Professional Societies Available 		

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<ul style="list-style-type: none"> • ISTE <ul style="list-style-type: none"> ✓ IPR Awareness Workshop ✓ Thematic Presentation ✓ Holistic Handling Employees in workplace event ✓ Vehicle Sponsorship • Text SAE INDIA <ul style="list-style-type: none"> ✓ Tier I Events for past three years ✓ Seminar on Recent Advancement in Manufacturing ✓ Lecture Meeting on Brake system design • IE(I) <ul style="list-style-type: none"> ✓ Conducted Workshop/Webinars/Quiz Programs ✓ Received fund under R&D Grant-in-aid Scheme for the year 2016, 2018 & 2019 • IWS <ul style="list-style-type: none"> ✓ Seminar on Advancement of Welding Presentations ✓ Technical Talk on Modern surface coating technology • ISHRAE <ul style="list-style-type: none"> ✓ Technical Talk on VRF systems ✓ Industrial Visit ✓ aQuest Quiz competition ✓ Job Junction • ICTACT <ul style="list-style-type: none"> ✓ FDP on Autodesk Fusion 360 ✓ FDP on AutoCAD 2016 ✓ India Design Week Competition • PALS • Students Achievements <ul style="list-style-type: none"> • Silver medalist in WFSKO Open Asian/ International Karate Championship 2018 • First Prize in SRJIAN- Indian Railways 2018 • RC RACE CHAMPION NIT WARANGAL 2017 • ESVC RUNNER UP 2017, BEST CROSSPAD 2018 • SUVV AUTO CROSS AWARD 2018 • TNeGA Award 2015 for TARS APP • GATE 2020 Scorers • InTech Olympiad 2020 Winner • Best Humanitarian Award '19 for Tamizhan Siragul NGO • Represented Team India in Continental Football League-Moscow 2019 • ICTACT STUDENT INNOVATOR AWARD 2018 & 2019 • First Prize in Tech 2 Farm Event at IIT Madras 2018 	--	HoD/ Faculty members/ Students
---	----	---

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4.	<p>Training and Placements Mr.M.Lakshmanan, Assistant Professor (S.G), Presented about the Training and Placements process followed in our Mechanical Department. The following points discussed in the meeting:</p> <ul style="list-style-type: none"> • Briefed the training programmes: Shared the statistics of Placement(2020 -2021) as on 10.04.2021 <ul style="list-style-type: none"> • Total number of offers received : 100 • Number of students placed : 85 • Number of students opted for placement : 103 • Number of students with single offer : 65 • Number of students with double offer : 19 • Number of students with triple offer: 01 • Companies to be Visited: <ul style="list-style-type: none"> • National Instruments : 05 Students • TVS Advanced Training Program : 11 Students • TVS Harita Techserv Software Training: 13 Students • Company Visited Details <ul style="list-style-type: none"> • No. of companies Visited = 34 • Core Companies Visited = 16 • IT Companies visited = 16 • Training and Development Companies visited: 02 • Department placement statistics for the past four years <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;">RATGH</th> <th style="width: 50%;">Placement Details</th> </tr> </thead> <tbody> <tr> <td>2013 -2017</td> <td style="text-align: center;">70 %</td> </tr> <tr> <td>2014 -2018</td> <td style="text-align: center;">76 %</td> </tr> <tr> <td>2015 -2019</td> <td style="text-align: center;">80 %</td> </tr> <tr> <td>2016 -2020</td> <td style="text-align: center;">81 %</td> </tr> <tr> <td>2017 -2020</td> <td style="text-align: center;">83 %</td> </tr> </tbody> </table> <ul style="list-style-type: none"> • Machinate for Placements (Training): <ul style="list-style-type: none"> • Soft skills & Personality Development Training • Career Guidance Training • Case study workshops • Mock Interview and GD Sessions • Resume Building Training • Company specific training • HR Interactive sessions • Webinars/Workshops • Online courses (Edx, Coursera, MIT Courses) • Employability enhancement courses • Boot camp • Alumni Interactive sessions • Highlighted by importance of practice in skill rack / TERY / 	RATGH	Placement Details	2013 -2017	70 %	2014 -2018	76 %	2015 -2019	80 %	2016 -2020	81 %	2017 -2020	83 %	--	HoD/ Faculty members/ Placement coordinators/ Students
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GM/LS

	<p>Great Learning and other online practices</p> <ul style="list-style-type: none"> Informed about the Special training in software / Programming skills 																																		
5.	<p>Department – Industry Interaction</p> <p>Dr.P.Sureshkumar, Associate Professor, Presented about the Department – Industry Interaction in our Mechanical Department. The following points discussed in the meeting.</p> <ul style="list-style-type: none"> Outcome of Industry- Interaction <table border="1"> <thead> <tr> <th>Name of the Industry</th> <th>Outcome</th> </tr> </thead> <tbody> <tr> <td>Heritn Teshury Ltd, Chennai</td> <td>12 Faculty and 2 technician trained. 109 student trained, 6 student Internship, 34 student placed</td> </tr> <tr> <td>Rameo Group of Textile Division, Rajapalayam</td> <td>Student Project, Industrial visit for faculty members and students</td> </tr> <tr> <td>Gowri House Metal Works, Rajapalayam</td> <td>Two Lecture series conducted, Industrial problem solved, Industrial visit for faculty members and students</td> </tr> <tr> <td>Minniyal Private Limited, Krishnankoil</td> <td>Guest Lecture delivered by expert, Project proposal</td> </tr> <tr> <td>Dynamic TEK, Chennai</td> <td>Student trained NDT, Placement offered given</td> </tr> <tr> <td>MEDSBY Healthcare and Engineering Solutions Coimbatore.</td> <td>Received Best Collaborator award in National Level, Faculty and student training, Product developed</td> </tr> <tr> <td>Tvs training and services, Chennai.</td> <td>52 student trained, 47 student got placement</td> </tr> <tr> <td>Rameo Cements Ltd.,Chennai.</td> <td>Industrial Visit for faculty and student, Placement were given through Placement section</td> </tr> <tr> <td>Rameo systems Ltd.,Chennai.</td> <td>Industrial visit for faculty and student, 2 student placed</td> </tr> <tr> <td>Rameo Industries Ltd., Chennai.</td> <td>Industrial visit for faculty members and students, Student Project</td> </tr> <tr> <td>TCSion, Chennai.</td> <td>Industrial visit for faculty members and students</td> </tr> <tr> <td>M.S. Chellamuthu trust, Madurai</td> <td>Guest lecture given for professional ethics, Faculty Training attended</td> </tr> <tr> <td>Geons Logix, Madurai</td> <td>Industrial visit for faculty members and students</td> </tr> <tr> <td>NI Systems Private Limited, Bangalore</td> <td>Student attending training, after completing training placement will be given</td> </tr> <tr> <td>Imarticus learning Pvt. Ltd., Mumbai</td> <td>Industrial visit for faculty members and students, student</td> </tr> </tbody> </table>	Name of the Industry	Outcome	Heritn Teshury Ltd, Chennai	12 Faculty and 2 technician trained. 109 student trained, 6 student Internship, 34 student placed	Rameo Group of Textile Division, Rajapalayam	Student Project, Industrial visit for faculty members and students	Gowri House Metal Works, Rajapalayam	Two Lecture series conducted, Industrial problem solved, Industrial visit for faculty members and students	Minniyal Private Limited, Krishnankoil	Guest Lecture delivered by expert, Project proposal	Dynamic TEK, Chennai	Student trained NDT, Placement offered given	MEDSBY Healthcare and Engineering Solutions Coimbatore.	Received Best Collaborator award in National Level, Faculty and student training, Product developed	Tvs training and services, Chennai.	52 student trained, 47 student got placement	Rameo Cements Ltd.,Chennai.	Industrial Visit for faculty and student, Placement were given through Placement section	Rameo systems Ltd.,Chennai.	Industrial visit for faculty and student, 2 student placed	Rameo Industries Ltd., Chennai.	Industrial visit for faculty members and students, Student Project	TCSion, Chennai.	Industrial visit for faculty members and students	M.S. Chellamuthu trust, Madurai	Guest lecture given for professional ethics, Faculty Training attended	Geons Logix, Madurai	Industrial visit for faculty members and students	NI Systems Private Limited, Bangalore	Student attending training, after completing training placement will be given	Imarticus learning Pvt. Ltd., Mumbai	Industrial visit for faculty members and students, student		<p>HoD/ Faculty members/ Industry Institute Cell coordinator</p>
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	<p>project</p> <p>Great Learning student are doing online courses</p> <p>Aravind Herbal, Rajapalayam Industry problem are given to us</p> <p>Indian Welding Society, Trichy Value added courses are planned, Industrial visit for faculty and students</p> <p>V-Invent Chemilab Private Limited, Rajapalayam Project proposal obtained</p> <p>Rags Nursery Garden, Rajapalayam Project proposal obtained</p>																																																											
6.	<p>Research & Development</p> <p>Dr.V.Sureshkumar, Associate Professor, Presented about the Department – Industry Interaction in our Mechanical Department. The following points discussed in the meeting.</p> <ul style="list-style-type: none"> List of Conference/Journal/Book Chapter/Copyrights <table border="1"> <thead> <tr> <th>Academic Year</th> <th>Confer- ence</th> <th>Journa l</th> <th>Copyri ght</th> <th>Book chapter</th> </tr> </thead> <tbody> <tr> <td>2014-2015</td> <td>11</td> <td>05</td> <td>-</td> <td>-</td> </tr> <tr> <td>2015-2016</td> <td>02</td> <td>02</td> <td>-</td> <td>-</td> </tr> <tr> <td>2016-2017</td> <td>36</td> <td>01</td> <td>-</td> <td>-</td> </tr> <tr> <td>2017-2018</td> <td>15</td> <td>06</td> <td>-</td> <td>-</td> </tr> <tr> <td>2018-2019</td> <td>33</td> <td>00</td> <td>-</td> <td>-</td> </tr> <tr> <td>2019-2020</td> <td>21</td> <td>11</td> <td>1</td> <td>7</td> </tr> <tr> <td>2020-2021*</td> <td>32</td> <td>18</td> <td>3</td> <td>2</td> </tr> <tr> <td>Total</td> <td>150</td> <td>49</td> <td>4</td> <td>9</td> </tr> </tbody> </table> <ul style="list-style-type: none"> Patents Details <ul style="list-style-type: none"> First Statement of inventions - 5 Published in Patent Journals - 6 Patent filed - 1 Patent Inventions - 1 Submission of Project Proposals to Funding Agencies <table border="1"> <thead> <tr> <th>Academic Year</th> <th>Funding Agency</th> <th>No. of Proposals</th> <th>Tot. No. of Proposals</th> </tr> </thead> <tbody> <tr> <td>2016-2017</td> <td>ISI P.R.D Cell</td> <td>1</td> <td>1</td> </tr> <tr> <td>2018-2019</td> <td>ISI National</td> <td>3</td> <td>21</td> </tr> </tbody> </table>	Academic Year	Confer- ence	Journa l	Copyri ght	Book chapter	2014-2015	11	05	-	-	2015-2016	02	02	-	-	2016-2017	36	01	-	-	2017-2018	15	06	-	-	2018-2019	33	00	-	-	2019-2020	21	11	1	7	2020-2021*	32	18	3	2	Total	150	49	4	9	Academic Year	Funding Agency	No. of Proposals	Tot. No. of Proposals	2016-2017	ISI P.R.D Cell	1	1	2018-2019	ISI National	3	21		<p>HoD/ Faculty members/ RC Coordinator</p>
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2019-2020	Grand Challenge Award			
	TNSCST - SPS	7		
	IEI R&D Cell	1		
	TNSCST - STPS	7		
	DST - WFI	1		
	DST - SSTP	1		
	IEI R&D Cell	1		
	SIRSI - MATRICS	1		
	DST • CORE Research Grant	1		
	RuTAG - IT Madras	3		
	DSI-NIMAT	1		
	Indian Poland Joint Proposed	1		
	TNSCST - SPS	10		24
	DST • CORE Research Grant	1		
RuTAG - IT Madras	1			
IWS	1			
SIRSI	2			
2020-2021*	AICTE MODROB	1		
	ISHRAE	1		
	FAER	7		
	DST - DDP	1 (CSE)		
	DST - TDT	1		
	DST	1 (Phy. & Che.)		29
	DST WMT	4		
	DST WMT	1 (CSE)		
	TNSCST - SPS	11		

• Status of Funded Projects

Academic Year	Funding Agency	No. of Proposals	Tot. No. of Proposals	Sanctioned amount in Rs.
2016-2017	IEI R&D Cell	1	1	50,000

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2018-2019	DST	1	3	15,75,010
	TNSCST	1		7,500
	IEI R&D Cell	1		20,000
2019-2020	IEI R&D Cell	1	5	30,000
	RuTAG - IT Madras	1		1,03,000
	DST-NIMAT	1		20,000
	IWS	1		10,000
	AICTE MODROB	1		17,75,667

• Funds received from CSR

Academic Year	Event Participation	Funding Agency	Funded amount in Rs.
2016-2017	Electric Solar Vehicle Championship 2017	Rath Engg. & Manufact. Co. Kuwait	1,00,000
		Pandyan Grama Bank, Rajapalayam	15,000
2017-2018	Mega ATV Championship 2018	The Ramco Cements Limited Ramco Industries Limited	4,00,000
			2,12,435
2018-2019	Electric Solar Vehicle Championship 2018	Kujali Enterprises, Tirunelveli	80,000
		The Lama Trust, Theni	20,000
		Pandyan Grama Bank, Rajapalayam	10,000
2019-2020	E-Daja, E-Velo, E-Renova, Spartans, JUYC, SAE Efficycle, Dajaga ATV, SAEISS TDC	The Ramco Cements Limited & Ramco Industries Limited	12,00,000

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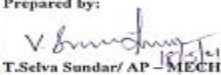

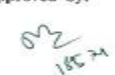
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	<ul style="list-style-type: none"> • Research promotional activities <ul style="list-style-type: none"> • Inter disciplinary projects • Internship from the reputed institution like IIT Madras • Institute industry interaction • In house project • Eminent Lecture Series – International / National 		
7.	<p>Accreditation Process Mr.T.SelvaSundar, Assistant Professor, Presented about the Accreditation Process in our Mechanical Department. The following points discussed in the meeting.</p> <ul style="list-style-type: none"> • NAAC & NBA Process <ul style="list-style-type: none"> • Importance of Accreditation Process • Outcome of Accreditation • Outcome based Education • Difference between AICTE Approval, NAAC & NBA Approval. 	--	HoD/ Faculty members/ NBA & NAAC Coordinators
8.	<p>Future Plan Mr.J.Jerold John Britto, Assistant Professor (S.G), Presented about the Future Plan of our Mechanical Department. The following points discussed in the meeting.</p> <ul style="list-style-type: none"> • Establishment of PG Courses <ul style="list-style-type: none"> • Industrial Safety Engineering • Manufacturing Engineering • M.Tech Mechatronics • M.Tech Industrial Automation and Robotics • Appearing for 6 years of NBA <ul style="list-style-type: none"> • Global mobility, increased employability, and greater opportunity • Better recognition for Institutions • Continuous quality improvement • Improved Student Performance • Attracts employers attention • A tone of credibility to the institutions • Doubled faculty contribution, better results • Better quality assurance to society • Smarter students • Easy MOU process • Research Centre Establishment <ul style="list-style-type: none"> • Enhances knowledge: • Clarifies confusion: • To have a proper understanding of the subject: • To learn about the methods and issues: • Understand the published work: • Learn to create a balance between collaborative and individual work: • To know the interest: 	--	HoD/ Faculty members

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	<ul style="list-style-type: none"> • To know how the original study originated: • Understanding the rationale • Establishment of Centre of Excellence in the recent area • Collaboration with Overseas University and Indian Research Centre • Establishment of Product Development Centre • CDIO – Lab Implementation • MSME funded Institute 		
9.	<p>Parents Interaction with HOD/ Class Advisors/Mentors</p> <ul style="list-style-type: none"> • Dr.D.Rajakumar, Vice Principal and Professor & Head, Class Advisors and Mentors Interacted with parents and clarify their doubts • Parents congratulated our faculty members for getting MSME Fund. • Placement Activities. • Anna University Results 		HoD/ Faculty members/ Class advisors/ Mentors
10.	<p>Vote of Thanks Mr.C.Gururaj, Assistant Professor (S.G), gives the vote of thanks to all parents and faculty members.</p>	--	
11.	The feedback form was circulated to all the parents and it was collected by the PTA faculty coordinators.		Dr.S.Godwin Barnabas,ASCP/ Mech.
<p>Prepared by:</p>  <p>T.Selva Sundar/ AP –MECH</p>		<p>Reviewed by:</p>  <p>Dr.S.Rajakumar HoD/MECH</p>	<p>Approved by:</p>  <p>Principal</p>

Copy to: 1) HoD, DGM(A) and faculty members through e-mail for information and needful action.

2) File

Minutes of Alumni Meeting

RAMCO INSTITUTE OF TECHNOLOGY RIT-ALUMNI ASSOCIATION

Ref.: Alumni Meet/2019/01

Date:17.09.2019

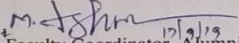
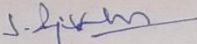
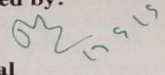
Minutes of the First Alumni Meeting with Patron, Ex-Officio Members and Members of Alumni Association at RIT

The president of the Alumni Association convened the First Alumni Meet on 14.09.2019 with the Patron, Office bearers, Ex-Officio members, Executive Committee members and other members of the RIT-Alumni Association,

Members present:			
Principal, RIT – Patron			
HODs, RIT – Ex-officio Members			
Faculty Co-ordinators – Alumni Association			
Mr.M.R.Vishnu Sankar – President			
Mr.N.Vishak Raj –Treasurer			
Other Executive Committee Members			
Sl. No.	Points discussed	Target Date	Responsibility
1	Ms.R.Ponjothi Lakshmi welcomed the gathering and presented the benefits of Alumni Association	--	--
2	Mr.M.R.Vishnu Sankar, President of Alumni Association delivered the presidential address. In his presidential address he informed that the RIT-Alumni Association have sponsored few of the events such as Techyuga 18, FIDE Chess Tournament, ESVC. He also added that the Memorandum and bylaws are drafted for submission to Tamilnadu Societies registration act. He addressed that the Alumni association is ready to provide financial sponsorship for the conduct of Workshops, Seminars, Symposiums in RIT. And also members of the alumni are ready to deliver guest lectures, workshops for the benefit of their junior students. He informed that the bylaws have been read and approved by the office bearers on behalf of the members of Association.	--	Faculty co-ordinator is entrusted with the responsibility of sending event updates to the Alumni Association over email for financial/ general support
3	On behalf of the alumni association, the president and treasurer, have approved to transfer the financial power vested with them to the Institute representative nominated by the patron. This was made to ease the utilization of funds appropriately for the alumni events and also to enable the record keeping process properly.	3 rd Week of October 2019	The patron and Faculty Co-ordinator has been vested with the Financial powers of the Alumni Account. During the transition period, the

			accounts related details are kept under the custody of DGM(Admin.) for further processing.
4	<p>The Principal of RIT and Patron of Alumni association delivered the felicitation address. In his address he pointed out the strength of alumni through his real-life examples. He advised the members to strengthen the alumni association for providing more support for the Institute and their junior students. He reiterated the importance of Alumni association by quoting the reference from the manual of accreditation agencies and insisted to register the alumni association as registered society. He asked the alumnus to give the suggestions/Feedback in Vision, Mission & PEO's for further improvement. He also added to create a forum to enhance the alumni interaction. He also approved the bylaws of the RIT-Alumni association and advised the DGM (Admin.) and faculty coordinator for further processing by the auditor. Patron has accepted the request made by the president and treasurer to transfer the financial power to the Institute.</p>	1 st Week of February 2020	DGM(Admin.) and Faculty co-ordinator are advised to submit the Final copy of the Memorandum and bylaws for submission to TN societies registration after approval of the Institute Auditor, Patron and Ex-officio members.
5	<p>Ex-Officio member Dr.S.Kannan, HoD-EEE interacted with the Alumni members. During his interaction, he contrasted the alumni association in the earlier years with the current scenario. He discussed about the various ways and means to strengthen the alumni association. He also addressed about various means of support expected from the alumni members to the Institute.</p>	Continuous	--
6	<p>Ex-Officio member Dr.K.Vijayalakshmi, HoD-CSE interacted with the Alumni members. In her address, he presented an idea to create an alumni forum as like few prominent institutes in the state to strengthen the alumni interaction. She also informed the various benefits of the forum which will foster cordial relationship among the members.</p>	Continuous	--
7	<p>Ex-Officio member Dr.S.Periyayagi, HoD-ECE interacted with the Alumni members. In her speech, she highlighted the updation of Alumni database and the need to have a strong relations among the alumni members and the Institute.</p>	Continuous	--
8	<p>Ex-Officio member Mr.S.Dharmar, HoD(i/c)-Civil interacted with the Alumni members. In his interaction, he pointed out the usage of Social media groups of Alumni and how it is being useful for employment opportunities for the students.</p>	Continuous	--
9	<p>Ex-Officio member Mr.R.Dhanasekaran, Training and Placement Officer interacted with the Alumni members. During the interaction, he advised the alumni members to</p>	Continuous	--

	support for the various placement activities of the Institute. He also insisted the alumni to provide support through their companies for campus drive.		
10	On behalf of the Ex-Officio member Dr.S.Rajakarunakaran, Mr.P.Suresh Kumar, AP(SG), Mechanical interacted with the Alumni members. He insisted the alumni members to show the best of the Institute to corporate companies to bring more placements to the Institute. He also insisted to use the social media in a better way to post the good things about the Institute.	Continuous	--
11	Faculty Co-ordinator, Dr.R.Balaji Ganesh, AP(SG), CSE interacted with Alumni members. During his interaction, he pointed out the slogan of RIT-Alumni Association "Let's create bonding" and advised the members to create a strong bonding like featured social media networking, which will help the institute for placement related activities.	Continuous	--
12	Alumni member Ms.Lakshmi Priya (2017 Batch, CSE) interacted with the fellow members and pointed out the learning environment in RIT is being very much useful for their professional career.	--	--
13	Alumni member Mr.Kandha Vivek Raj (2017 Batch, CSE) interacted with the fellow members and insisted the importance of self-learning which is very much required to have a successful professional career. He also volunteered to develop a community forum using open source tools for RIT-Alumni Association to strengthen the discussions, threads among the members.	--	--
14	Treasurer of Alumni Association Mr.Vishak Raj proposed the Vote of Thanks. In his address, he thanked all the members of the Association for their presence. He thanked the Management of the Institute, Principal, HODs and all Faculty members for their contribution for the conduct of this Alumni meet in RIT. He also added that successive meets will be planned in Chennai or other cities which are most convenient for the members. He advised the members to widespread the details of this event to all the members and make them to participate in the upcoming alumni meets.	--	--
15	Alumni members and Office bearers have a one-one talk and discussed the following key points: <ul style="list-style-type: none"> • Proposal was made to strengthen the Institute website with Alumni Corner which will help the junior students to know the current position of distinguished alumni. • It was decided to create alumni award for toppers/achievers among the students of RIT. The criteria for the provisioning the award will be decided by the patron and executive committee members. • It was requested by the alumni members to have 	--	Ex-officio members informed that, the hostels can be utilized by the Alumni during their visit to the college

	accommodation facilities in the college hostels when they visit the campus for workshop or seminar. <ul style="list-style-type: none"> Members put proposal to have alumni membership card which will further foster the Institute-Alumni relationships. 		
Prepared by:  Faculty Coordinator, Alumni	Verified by:  Vice Principal	Approved by:  Principal	

Copy to: 1) All the members of the alumni association for information and record.
 2) File

4. Chairperson advised the students to maintain 100% attendance in regular classes. However, provision of unavoidable reasons such as Medical/participation in sports, the student should maintain minimum of 80% attendance in regular classes.	Continuous	Student/ CA	-
5. The respective course faculty explained the Lecture plan/ Tutorial plan/ Laboratory plan and academic schedule.	Continuous	Student/ Faculty	-
6. Mr.M.Ashokkumar, AT(3G)/Mech presented the RIT Mech Final year project guidelines to the class committee students and advised the students to adhere the required procedures.	Continuous	Student/ Faculty	-
7. HOD advised the course faculty members to identify and apply the appropriate innovative teaching practices for theory and lab courses.	Continuous	Student/ Faculty	-
8. The class advisor described various statistical details of the students such as Students' academic performance in last semester, student attendance, Extra and Co-curricular activities participated by the students.	Continuous	Student/ Faculty	The students assured to maintain good records
9. Chairperson advised the student members to have regular studied in all the subjects and also insisted importance of tutorial (problematic) and Assignments (Theory). He also insisted the subject faculty i/c to maintain separate mark records for tutorial and Assignments.	Continuous	Student/ Faculty	-
10. Chairperson advised the student members to preparing well for AU Proctored online MCQ exam and score good marks.	AU Exam	Student	-
11. Mr.M.Lakshmanan (Placement coordinator) Briefed the placement status and student placement trainings. He also advised the student members to prepare well for forthcoming placement drives.	Continuous	Student/ Faculty	-
12. Class advisor briefed the AU online exam	AU exam	Student/ Faculty	-

pattern (MCQ) to the student committee members and advised the students to adhere the AU new guidelines.			
13. The chairperson concluded the CCM-I and encouraged the students to perform well in Placement drives and AU online exams.	Continuous	Student/Faculty	-


Chair Person


HOD

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



Minutes of Department Review Meeting



RAMCO INSTITUTE OF TECHNOLOGY

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



Department of Mechanical Engineering

Ref.: Department Review Meeting/2020-21/Even Semester/01

Date: 18.02.2021

Agenda for Department Review Meeting with Faculty members

Dear Sirs,

The 1st DRM for the AY 2020 – 21 (Even Semester) is scheduled tomorrow (19.02.2021) at 4:15PM in Mechanical Seminar Hall. All the faculty members are requested kindly to make them available in the above mentioned time. The agenda of the meeting will be as follows:

Sl. No.	Agenda	Reference
01.	Dissemination of Vision, Mission of institute and department	-
	Review of previous meeting	
02.	a. Course file submission	DRM / 2020-21 / Odd Semester / 16 (dated 05.02.2021)
03.	University proctored exam for II, III & IV years	Anna University exam notification
04.	Commencement of classes for students	Anna University Circular, Ref. No.151/PR30/2021
05.	Constitution of Class Committee, nomination of Chairperson for Class Committees and Course Committees	Academic Schedule for AY 2020 – 21 (Even Semester)
06.	Design and Fabrication Project for III Years	Time Table for AY 2020 – 21 (Even Semester) – VI Semester
07.	Essence of Governing Council Meeting	-
08.	Filing of Indian patents	RIT / IPDC / Meeting / 26
09.	NAAC AQAR details submission	RIT / IPDC / Meeting / 27
10.	NIRF portal submission	RIT / IPDC / Meeting / 27
11.	NBA committee visit	Notification from National Board of Accreditation
12.	Any other matters	

Prepared by
(R.Arun Kumar)

Approved by
(HoD)

Copy to: 1) Faculty members of Mechanical Engineering through e-mail and Canvas Classroom for information.

2) File



RAMCO INSTITUTE OF TECHNOLOGY

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Department of Mechanical Engineering



Ref.: Department Review Meeting/2020-21/Even Semester/01

Date: 20.02.2021

Minutes of the Meeting of Department Review Meeting with Faculty members

The 1st Department Review Meeting for the AY 2020 – 21 (Even Semester) was held on 19.02.2021 (Friday) from 4.15PM to 5:30PM at Mechanical Seminar Hall with the following agenda.

1. Dissemination of Vision, Mission of Institute and department
2. Review of previous meeting
 - a. Course file submission
3. University proctored exam for II, III & IV years
4. Commencement of classes for students
5. Constitution of Class Committee, nomination of Chairperson for Class Committees and Course Committees
6. Design and Fabrication Project for III Years
7. Essence of Governing Council Meeting
8. Filing of Indian patents
9. NAAC AQAR details submission
10. NIRF portal submission
11. NBA committee visit
12. Any other matter

Members present:

- | | |
|-------------------------------------|-----------------------------------|
| 1) Dr.S.Rajakarunakaran | 13) Mr.S.Valai Ganesh |
| 2) Dr.P.Sureshkumar | 14) Mr.J.Jabinth |
| 3) Dr.V.Sivakumar | 15) Mr.L.Karthikeyan |
| 4) Dr.S.Godwin Barnabas | 16) Mr.M.Santhana Maruthu Pandian |
| 5) Mr.M.Lakshmanan | 17) Mr.R.Arun Kumar |
| 6) Mr.J.Jerold John Britto | 18) Mr.N.L.Sujin |
| 7) Mr.M.Ashok Kumar | 19) Mr.R.Prabhakaran |
| 8) Mr.M.Sivagaminathan alias Balaji | 20) Mr.R.Venkatesh |
| 9) Mr.C.Gururaj | 21) Mr.K.Vigneshwaran |
| 10) Mr.G.Prabu ram | 22) Mr.M.Ramar |
| 11) Mr.S.Maharajan | 23) Mr.P.Pavithran |
| 12) Mr.T.Selva Sundar | 24) Mr.S.Kathiravan |

Sl. No.	Points discussed	Target Date	Current Status	Responsibility
1	Dissemination of Vision, Mission of Institute and department	-	HOD disseminated the vision and mission of institute and department to all the faculty members	-
Review of previous meeting				
2	a. Course file submission	Completed	All the faculty members have prepared the course file content and got signal from the Principal	All the faculty members
Current Meeting				
3	University proctored exam for II, III & IV years University proctored exams are over	Completed	Class Advisors of II, III & IV year said that the proctored exams are over. Arrear exams to be conducted in following week. They also added that students said that the exams were easy except few papers	-
4	Commencement of classes for students University has given concurrence to commence the classes	18.02.2021	Dr P Sureshkumar asked all the faculty members to put their complete effort in handling classes for the students as well as to maintain the order in the class	All the faculty members
5	Constitution of Class Committee, nomination of Chairperson for Class Committee and Course Committee CCMs to be formulated	February end	The following faculty members are nominated as Chairperson for class committee and course committee GE8075 IPR - Mr GPR ME8991 FUM - DR SUB II Mech 'A' - Dr VSK II Mech 'B' - Mr MSB III Mech 'A' - Mr JJB III Mech 'B' - Mr MLN III Mech 'C' - Mr JTT "Chairpersons have to conduct the first meeting as per the academic schedule", said Dr P Sureshkumar	Respective Chairpersons
6	Design and Fabrication Project for III Years Group formulation to be finalized	February end	The issue of separating 3 classes was discussed. It was brought to a conclusion that batch has to be formed within three sections	Project coordinator and class advisors

Sl. No.	Points discussed	Target Date	Current Status	Responsibility
7.	Essence of Governing Council Meeting The GC meeting essence were disseminated	Continuous	HOD informed that one section to be surrendered in department and a PG course on Industrial Safety is proposed to be started.	HOD
8.	Filing of Indian patents Foreign filing to be stopped	Continuous	With reference to IPDC meeting minutes 26, Dr.P.Sureshkumar asked the faculty members not to involve in foreign application filing.	All the faculty members
9.	NAAC AQAR details submission AQAR data submission status was discussed	Completed	HOD informed that NAAC AQAR content were uploaded properly on the portal.	-
10.	NIRF portal submission Status of submission was discussed	Completed	Dr.P.Sureshkumar informed that the data submission for NIRF ranking is completed	-
11.	NBA committee visit NBA committee visit schedule is confirmed	Continuous	Committee visit is planned from 05.03.2021 to 07.03.2021. Hence HOD asked all the faculty members to be prepared for the committee visit.	All the faculty members
Plan for next meeting				
11.	<ul style="list-style-type: none"> ➤ NBA Committee visit inferences ➤ Course Committee and Class Committee meeting progress 	March 2 nd week	-	-
Prepared by: Mr.R.Arav Kumar, AD/Mechanical			Approved by: HOD/Mechanical	

Copy to: 1) Faculty members of Mechanical Engineering through e-mail and Canvas Classroom for information and necessary action.

2) File

Parents Teachers Meeting on 11.04.2021



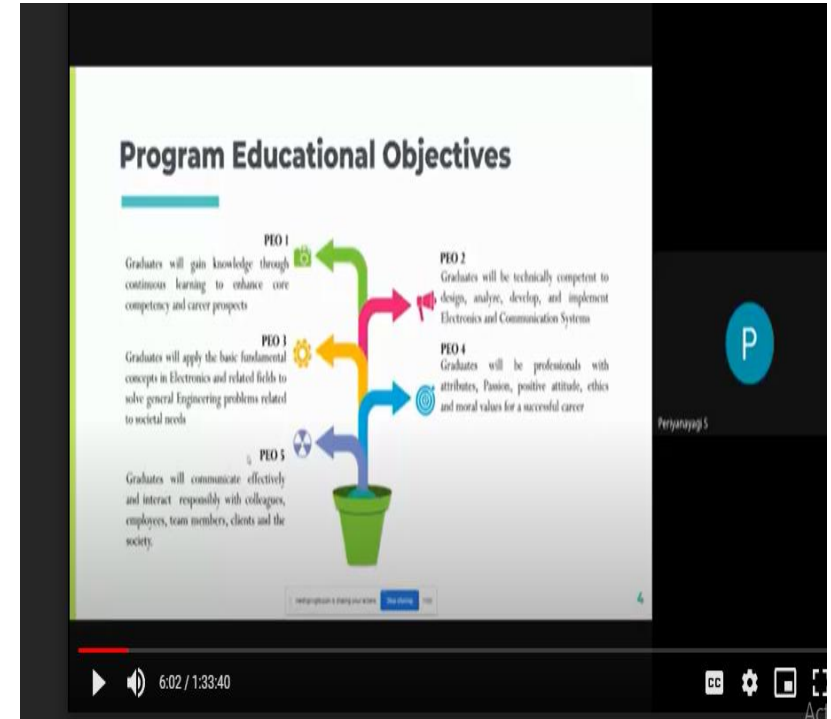
Vision & Mission

Vision
Develop Futuristic technologists in Electronics and Communication Engineering to meet the global challenges and the societal needs of our nation.

Mission

- Educate Students to become *enlightened engineers with the latest know-how* to take on the challenges concerned with the society.
- Equip the students with the current trends and latest technologies in the field of Electronics and Communication Engineering to make them *technically strong and ethically sound*.
- Constantly motivate the students and faculty members to *achieve excellence* in Electronics and Communication Engineering and Research & Development activities.

Perjanjangan 1



Program Educational Objectives

PEO 1
Graduates will gain knowledge through continuous learning to enhance core competency and career prospects

PEO 2
Graduates will be technically competent to design, analyze, develop, and implement Electronics and Communication Systems

PEO 3
Graduates will apply the basic fundamental concepts in Electronics and related fields to solve general Engineering problems related to societal needs

PEO 4
Graduates will be professionals with attributes, Passion, positive attitude, ethics and moral values for a successful career

PEO 5
Graduates will communicate effectively and interact responsibly with colleagues, employees, team members, clients and the society.

Perjanjangan 5

6:02 / 1:33:40

Class Committee Meeting

RAMCO INSTITUTE OF TECHNOLOGY
Department of Electronics and Communication Engineering

Academic Year: 2020 - 2021 (Odd Semester)

Minutes of Class Committee Meeting I

Class : III Semester B.E. ECE A

Date & Time : 27.08.2020 & 07.00 PM

Members present:

Chair Person : Dr.B.Deepa Lakshmi

Class Adviser: Mr.D.Gopinath

Faculty members:

1. Mr.K.Subramanian
2. Ms.S.Manjula
3. Mrs.V.SrirengaNachiyar
4. Mrs.R.Chitra
5. Mr.D.Gopinath
6. Mr.B.Kannan

Student Representatives:

1. Abinaya S
2. Arunuga Viswanath P
3. Chidhambaramanathan R
4. Geetha Naayagam I
5. Ishwarya R
6. Keerthika B

Points discussed	Target Date	Responsibility	Remarks
1. Chair Person welcomed the faculty members and student representatives. The importance of conducting class committee meeting was conveyed to the students. She informed to the members about clause 9 in the Anna university regulation in detail.	Continuous	Chair Person	-
2. Chair Person and the class advisor discussed about the development of department vision, mission, PO and PSO, Pre course survey, formulation of course outcome, importance of outcome attainment level, mapping of CO-PO & CO-PSO with the students.	Continuous	Chair Person & Faculty Members	-
3. Chair Person enquired about the fees payment for the 2020-21 odd semester and advised to pay before Internal Assessment Test I.	Continuous	All the students	-
4. Chair Person enquired about the understanding of the subjects in current semester and question bank for all the subjects. Students answered that all the subjects are understandable and received the question bank for all the subjects.	Continuous	Faculty members	-

Form No. AC 12c

Rev.No. 02

Effective Date: 25.07.2018

5. Chair Person and Class Adviser advised the students to interact with the faculty members while taking online class and also to submit the tutorial, assignments on time.	Continuous	All the students	-
6. Faculty members advised the students to complete the homework given by them daily for better understanding and practice.	Continuous	All the students	-
7. Chair Person explained about the Learning Management System through Canvas followed by the faculty members.	Continuous	Faculty members	-
8. Chair Person advised the students to attend more webinars and undergo many online courses, which will be useful for them if they use this lock down time effectively through online.	Continuous	All the students	-
9. Chair Person and faculty members advised the students to pursue online courses offered by coursera and Edx offered by our institution to enhance their knowledge.	Continuous	All the students	-
10. Chair Person advised the students to study well for the forthcoming Internal Assessment Test I which is going to conduct by exam cell in common and the importance of exams.	Continuous	All the students	-
11. Chair Person advised the students to attend the online classes regularly without absenteeism because there is less number of days to complete the syllabus for faculty.	Continuous	All the students	-
12. Faculty members advised the students to join the online class on time since time is getting wasted while handling classes. Students gave assurance that they will join the class on time in future.	Continuous	All the students	-
13. Students informed that some students are getting network problems during class hours. Chair Person and faculty members advised them to rejoin the class once the network issue is clear.	Continuous	All the students	-
14. Faculty members informed that some students are not attending all the 4 hours daily, especially absenting in afternoon hours. Chair Person and class advisor advised the students to attend all the classes since attendance is mandatory for portal entry.	Continuous	All the students	-

Dr. B. Deepa Lakshmi
27/8/2020
Chair Person

Dr. D. Gopinath
27/8/2020
HOD

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

Form No. AC 12c

Rev.No. 02

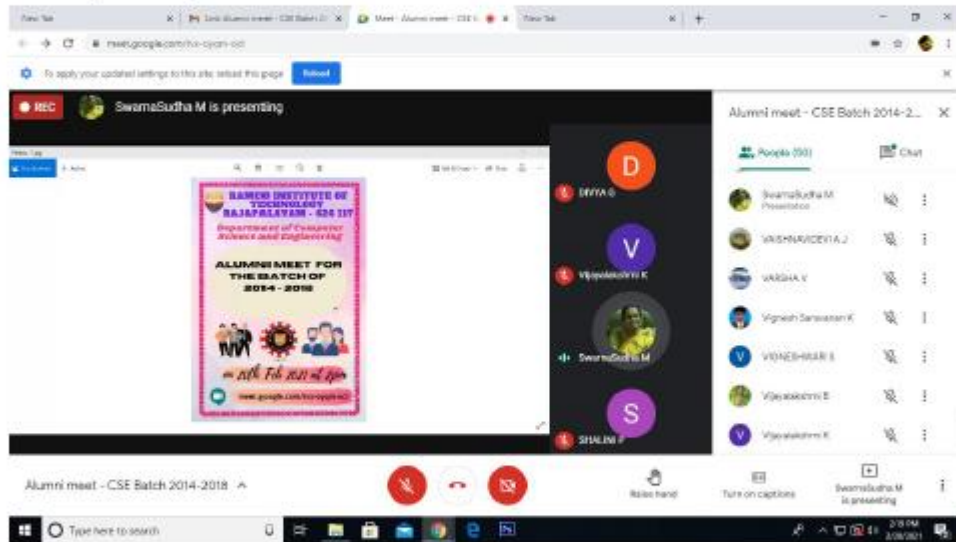
Effective Date: 25.07.2018

**Dissemination through
Course files, Manuals,
Course End Survey and
Alumni Survey**

Alumni Meeting

Ramco Institute of Technology Department of Computer Science and Engineering Alumni Meet for the Batch of 2014-2018- Report

Dept. of CSE in association with RIT Alumni Association organize "Virtual Alumni Meet" for the batch of 2014-2018 CSE students through Google Meet platform on Feb 20, 2021 (Saturday) at 2.00 pm.



Final year students formally welcomed the department head, all the faculty members, and alumni of batch 2014-2018 CSE. Dr.K.Vijayalakshmi, Professor & Head, whole heartedly addressed the gathering and disseminated Department Vision, Mission, PEO, PO and PSO. Mrs. M.SwarnaSudha, Assistant Professor, Dept. of CSE had an general interaction with all alumni. Final year students of CSE organized some fun events which was very enthusiastically

Department Review Meeting (DRM)

RAMCO INSTITUTE OF TECHNOLOGY
Academic year: 2020 – 2021
Department of Computer Science and Engineering

Ref.: Department Review Meeting/Odd Semester/01 Date: 21.07.2020

Minutes of Department Review Meeting with Faculty members

The Department Review Meeting was conducted on 19.07.2020 at 04.30 PM with the following Agenda:

Agenda:


1. Previous Meeting Completion Status
2. Dissemination of Vision, Mission, POs, PEOs and PSOs:
3. NCAT Exam Completion Status
4. Course Plan, Canvas LMS, Tutorial and Test
5. Conference Documentation
6. Project Report
7. Paper Submission
8. ISRO IIRS Programme
9. Budget Meeting
10. Website Update
11. Weekly Newsletter
12. RIT YouTube Channel
13. edX Course and Maths Online Course
14. Inaugurations
15. IE-(I) Award Application
16. Class Absentees
17. Virtual Lab
18. Practical Lab
19. Others


Members present:
Dr.M.Kaliappan, Mr.R.Venkatesh, Mrs.V.Anusuya, Mr.M.Gomathy Nayagam, Mrs. M.Swarna Sudha, Mrs.B.Vijayalakshmi, Mr.D.Lakshmanan, Mrs.N.Nithya, Ms.P.Jothi Thilaga, Ms.S.Manjula, Mr.C.A.Yogaraja, Mr.K.Vignesh Saravanan

Sl.No.	Points discussed	Target Date	Current Status	Responsibility
1.	HOD reviewed the status of open items discussed in the previous meeting.	---	---	---
2.	Dissemination of Vision, Mission, POs, PEOs and PSOs: HOD disseminated Vision, Mission, POs, PEOs and PSOs to all faculty members. HOD informed to collect feedback from stakeholders on Vision, Mission, PEO, PSO statements.	---	---	All faculty members
3.	NCAT Exam Completion Status: HOD informed all the class advisors to insist their students in completing NCAT examination.	21.07.2020	In Progress	All class advisors
4.	Course Plan, Canvas LMS, Tutorial and Test: HOD informed the faculty	---	In Progress	All faculty members

Form No. AC 11c Rev.No. 00 Effective Date: 01.07.2020

Parents Teachers Meeting

 **RAMCO INSTITUTE OF TECHNOLOGY**
Approved by AICTE, New Delhi & Affiliated to Anna University
Accredited by NAAC & an ISO 9001: 2015 Certified Institution
Academic Year 2020-21

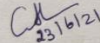
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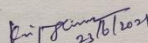
VIRTUAL PARENTS – TEACHERS MEETING INVITATION 19-06-2021


All the faculties are requested to prepare the presentation for Parents - Teachers Meeting for I year CSE which is going to be held on 27-06-2021 (Sunday) at 4.00 pm The slides/tasks related to I year CSE allotted for the faculties are given below.


S.No	Slides/Tasks Assignment	Faculty
1.	Welcome Address	Dr.K.Vijayalakshmi
2.	Dissemination of Mission, vision, PO and PSO	Mrs.N.Nithya
3.	Result and Placement Strategies	Mrs.M.SwarnaSudha
4.	Placement Training	Ms.P.JothiThilaga
5.	Skill rack, TERV, Hackathon Environment	Mrs.B.Vijayalakshmi
6.	Company Internship	Mrs.N.Nithya
7.	Teaching Learning Process	Dr.S.Vimal and Mr.C.A.Yogaraja
8.	Research and Development	Dr.M.Kaliappan
9.	Online Courses	Dr.V.Anusuya
10.	Co-curriculum and extra-curriculum Activities	Mr.K.Vignesh Saravanan
11.	Awards and achievements	Dr.M.Gomathy Nayagam
12.	Vote of thanks	Dr.M.Kaliappan

Kindly complete the task assigned and submit on or before 23-06-2021.

 23/6/21
Faculty in charge

 23/6/2021
HOD CSE

 23/6/21
Vice Principal

 23/6/21
Principal



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Academic Year 2020-21



VIRTUAL PARENTS – TEACHERS MEETING INVITATION

19-06-2021

Dear Parent,

The Department of Computer Science and Engineering of Ramco Institute of Technology has planned to conduct online Parents-Teachers Meeting for first year CSE students on June 27, 2021 (Sunday) at 4.00 pm for this academic year 2020-21. The agenda is given below.

- Welcome Address
- Dissemination of mission, vision, PO, and PSO.
- Result and placement strategies
- Placement training
- Skill rack, TERV and Hackathon environment.
- Company internship
- Teaching Learning Process
- Research and development
- Online Courses
- Co-curriculum and extra-curriculum Activities
- Awards and Achievements
- Student's Feedback by Alumni
- Parents interaction
- Collection of Feedback
- Vote of thanks.

We cordially invite you to attend the Parents-Teachers meeting on the above said day. We are looking forward to your participation in this meeting.

For confirmation, we expect your reply through phone 04563-233412 or through email: ptacse@ritrjpm.ac.in.

C.M.
23/6/21
Faculty In charge

K.V. Jagan
23/6/21
HOD CSE

K.S.
23/6/21
Vice Principal

M.
23/6/21
Principal

RAMCO INSTITUTE OF TECHNOLOGY
RAJAPALAYAM

Department of Computer Science and Engineering
Minutes of the meeting held in 27 June 2021

The Parents teachers meeting for I CSE was held on 27-06-2021 (Sunday).

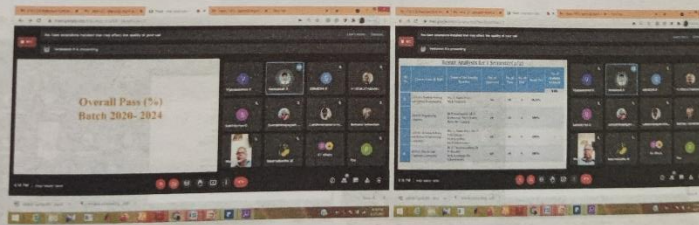
Members: Head of the Department/CSE, All Faculties, 40 Parents.

Mode of Conduction: Online (Google Meet)

- The meeting started exactly at 4.00 pm with welcome address by Dr.K.Vijayalakshmi, Prof & HOD/CSE. It was followed by Faculty introduction by Dr.K.Vijayalakshmi, Prof & Head/CSE.
- The vision and mission of the department, Program Educational Objectives (PEOs), Program Outcomes, and Program Specific Outcomes (PSO) were disseminated by Dr.K. Vijayalakshmi, Prof & Head/CSE.



- The results achieved during the previous years were explored to the parents by Mr. R.Venkatesh, AP (SG)/CSE. The results statistics and the progress were presented. Top 10 students in CGPA of each section were displayed to them.



- Mrs M.Swarna Sudha gave an overview of the placement statistics and the percentage of students placed in every year. She presented the top salaries got by every previous batch students including the current final year batch. Major recruiters of our institution especially for CSE were listed down to them. A statistical data about the students placed in core and other companies were explored. The alumni working statistics in various companies were presented. In addition to the

Induction Program for first year

Induction Programme Schedule

**RAMCO INSTITUTE OF TECHNOLOGY
RAJAPALAYAM
STUDENT INDUCTION PROGRAM**

Academic Year: 2020 – 2021

Date: 04.11.2020			
Time	Name of the Section	Google meet link	Name of the Activity
9.45 AM – 10.35 AM	Section –I	https://meet.google.com/fnz-kiki-xdi Youtube: https://youtu.be/YOGOQ-VC1EE	<u>Familiarization to College</u> <ul style="list-style-type: none"> Principal address ⇒ Dr.L.Ganesan Vice Principal address ⇒ Dr.S.Rajakarunakaran HoD introduction ⇒ Dr.G.GodsonBedeiah
	Section –II		
	Section –III		
	Section –IV		
	Section –V		
	Section –VI		
	Section –VII		
10.35 AM –10.45 AM: Break			
10.45 AM – 11.35 AM	Section –I	https://meet.google.com/fnz-kiki-xdi	<u>Mentoring/Universal Human Values</u> <ul style="list-style-type: none"> Competition and Excellence Self and Body ⇒ Dr.K.Karthikeyan
	Section –II		
	Section –III		
	Section –IV		
	Section –V		
	Section –VI		
	Section –VII		
11.35 AM –11.45 AM : Break			
11.45 AM – 12.35 PM	Section –I	https://meet.google.com/mxu-zgyi-usm	Creative Arts: Elite Club
	Section –II	https://meet.google.com/rth-afmw-zcf	Creative Arts: NCC/NSS
	Section –III	https://meet.google.com/chx-cjsh-wus	Creative Arts: Fine arts & Cultural Club
	Section –IV	https://meet.google.com/tiy-ppfo-rtv	Creative Arts: Eco Club
	Section –V	https://meet.google.com/ado-jkry-smi	Creative Arts: Science Club
	Section –VI	https://meet.google.com/zth-zfjs-ckt	Creative Arts: Math Expert Club
	Section –VII	https://meet.google.com/qpb-uyui-gsh	Creative Arts: Tamil Mandram
11.35 AM –11.45 AM : Lunch			
1.45 PM – 2.35 PM	Section –I	https://meet.google.com/mxu-zgyi-usm https://meet.google.com/chx-cjsh-wus https://meet.google.com/tiy-ppfo-rtv https://meet.google.com/zth-zfjs-ckt https://meet.google.com/qpb-uyui-gsh	<u>Familiarization to Department (Departmentwise)</u> <ul style="list-style-type: none"> About the department & facilities Dissemination of vision, mission, PEOs, POs, PSOs ⇒ HoD
	Section –II		
	Section –III		
	Section –IV		
	Section –V		
	Section –VI		
	Section –VII		
2.35 PM – 2.50 PM	Section –I	<u>Google Form link</u>	<u>Feedback CA/Mentor</u>
	Section –II		
	Section –III		
	Section –IV		
	Section –V		
	Section –VI		
	Section –VII		

Ramco Institute of Technology, Rajapalayam
Student Induction Program 2020- 2021
Tentative Time Table

Week-1	9.45 AM – 10.35 AM	10.45 AM – 11.35 AM	11.45 AM – 12.35 PM	1.45 PM – 2.35 PM	2.35 PM – 2.50 PM	
Day	Common to all sections			Section-wise		
4.11.2020	Familiarization to College <ul style="list-style-type: none"> Principal address ⇒ Dr.L.Ganesan Vice Principal address ⇒ Dr.S.Rajakarunakaran HoD introduction ⇒ Dr.G.GodsonBedeiah 	Mentoring/Universal Human Values <ul style="list-style-type: none"> Competition and Excellence Self and Body ⇒ Dr.K.Karthikeyan 	Creative Arts* <ul style="list-style-type: none"> Section – I: Elite Club Section – II: NCC/NSS Section – III: Fine arts & Cultural Club Section – IV: Eco Club Section – V: Science Club Section – VI: Math Expert Club Section – VII: Tamil Mandram 	Familiarization to Department About the department & facilities ⇒ HoD	Feedback ⇒ CA/Mentor	
5.11.2020	Familiarization to College <ul style="list-style-type: none"> About the College & Infrastructure ⇒ Dr.O.Senthilkumar Virtual tour ⇒ Mr.T.Thangam 	Mentoring/Universal Human Values <ul style="list-style-type: none"> Gratitude Respect Prosperity Dr.S.Godwin Barnabas 	Creative Arts* <ul style="list-style-type: none"> Section – I: Tamil Mandram Section – II: Elite Club Section – III: NCC/NSS Section – IV: Fine arts & Cultural Club Section – V: Eco Club Section – VI: Science Club Section – VII: Math Expert Club 	Lunch Break	Mentor-Mentee group Self-introduction by the students ⇒ CA/Mentor	Feedback ⇒ CA/Mentor
6.11.2020	Familiarization to College <ul style="list-style-type: none"> Academic Process ⇒ Dr.S.Periyayagi Exam cell ⇒ Mr.K.Subramanian 	Mentoring/Universal Human Values <ul style="list-style-type: none"> Relationship in family Trust ⇒ Dr.M.Gomathinayagam 	Creative Arts* <ul style="list-style-type: none"> Section – I: Math Expert Club Section – II: Tamil Mandram Section – III: Elite Club Section – IV: NCC/NSS Section – V: Fine arts & Cultural Club Section – VI: Eco Club Section – VII: Science Club 		Familiarization to Department Scope & Placement ⇒ Placement Coordinator	Feedback ⇒ CA/Mentor
7.11.2020	Co-Curricular Activities in College ⇒ Dr.K.Vijayalakshmi Extra-Curricular Activities in College ⇒ Dr.K.Basarikodi	Mentoring/Universal Human Values <ul style="list-style-type: none"> Purpose of the Course Self Confidence ⇒ Mr.G. Karthikeyan 	Creative Arts* <ul style="list-style-type: none"> Section – I: Science Club Section – II: Math Expert Club Section – III: Tamil Mandram Section – IV: Elite Club Section – V: NCC/NSS Section – VI: Fine arts & Cultural Club Section – VII: Eco Club 		Familiarization to Mentoring System Mentoring System ⇒ CA/Mentor Co-Curricular Activities in College Branch based student chapter/ Professional Societies ⇒ CA/Mentor	Feedback ⇒ CA/Mentor
9.11.2020	Literary activity <ul style="list-style-type: none"> Library Mr.S.Chandran 	Mentoring/Universal Human Values <ul style="list-style-type: none"> Aspirations and Family Expectations Peer Pressure Competition and Cooperation ⇒ Dr.B.Deepalakshmi 	Creative Arts* <ul style="list-style-type: none"> Section – I: Eco Club Section – II: Science Club Section – III: Math Expert Club Section – IV: Tamil Mandram Section – V: Elite Club Section – VI: NCC/NSS Section – VII: Fine arts & Cultural Club 	Familiarization to Department <ul style="list-style-type: none"> Awards & achievement of student and faculty ⇒ CA/Mentor 	Feedback ⇒ CA/Mentor	

RAMCO INSTITUTE OF TECHNOLOGY, RAJAPALAYAM
Time Table for Student Induction Program 2021- 2022

20.10.2021 (Wednesday)							
	AI & DS	CIVIL	CSE	EEE	ECE – A	ECE –B	MECH
I (9.00 – 9.50 AM)	Admission Registration, Hostel Registration and other work						
II (9.50 – 10.40 AM)	Admission Registration, Hostel Registration and other work						
III (10.40 – 11.00 AM)	Tea Break						
IV (11.00 – 11.50 AM)	Familiarization to College: Principal address by Dr I. Ganesan & Vice Principal address by Dr S Rajakarunakaran						
V (11.50 – 12.40 PM)	Familiarization to College: Virtual Tour by Mr T. Thangam & Dr M Venkatesh Perumal						
VI (12.40 – 1.20 PM)	Lunch Break						
VII (1.20 – 2.10 PM)	Familiarization to College: Transport facility by Mr L. Karthikeyan						
VIII (2.10 – 3.00 PM)	Mentor-Mentee group: Data collection from students by CA & Mentors	Mentor-Mentee group: Data collection from students by CA & Mentors	Mentor-Mentee group: Data collection from students by CA & Mentors	Mentor-Mentee group: Data collection from students by CA & Mentors	Mentor-Mentee group: Data collection from students by CA & Mentors	Mentor-Mentee group: Data collection from students by CA & Mentors	Mentor-Mentee group: Data collection from students by CA & Mentors
IX (3.00 – 3.50 PM)	Campus Tour by CA & Mentors	Campus Tour by CA & Mentors	Campus Tour by CA & Mentors	Campus Tour by CA & Mentors	Campus Tour by CA & Mentors	Campus Tour by CA & Mentors	Campus Tour by CA & Mentors
21.10.2021 (Thursday)							
	AI & DS	CIVIL	CSE	EEE	ECE – A	ECE –B	MECH
I (9.00 – 9.50 AM)	Familiarization to Department: Dissemination of Vision, Mission, POs, PSOs, PEOs & About the department by HoD	Familiarization to Department: Dissemination of Vision, Mission, POs, PSOs, PEOs & About the department by HoD	Familiarization to Department: Dissemination of Vision, Mission, POs, PSOs, PEOs & About the department by HoD	Familiarization to Department: Dissemination of Vision, Mission, POs, PSOs, PEOs & About the department by HoD	Familiarization to Department: Dissemination of Vision, Mission, POs, PSOs, PEOs & About the department by HoD	Familiarization to Department: Dissemination of Vision, Mission, POs, PSOs, PEOs & About the department by HoD	Familiarization to Department: Dissemination of Vision, Mission, POs, PSOs, PEOs & About the department by HoD
II (9.50 – 10.40 AM)	Mentor-Mentee group: Self-introduction between the students & Mentoring System by CA/Mentors	Mentor-Mentee group: Self-introduction between the students & Mentoring System by CA/Mentors	Mentor-Mentee group: Self-introduction between the students & Mentoring System by CA/Mentors	Mentor-Mentee group: Self-introduction between the students & Mentoring System by CA/Mentors	Mentor-Mentee group: Self-introduction between the students & Mentoring System by CA/Mentors	Mentor-Mentee group: Self-introduction between the students & Mentoring System by CA/Mentors	Mentor-Mentee group: Self-introduction between the students & Mentoring System by CA/Mentors
III (10.40 – 11.00 AM)	Tea Break						
IV (11.00 – 11.50 AM)	Familiarization to College: Academic Process by Dr S Periyayyagi						
V (11.50 – 12.40 PM)	Lectures by Eminent People: Motivational Talk by Mr Sankara Narayanan, Journalist/Freelancer/Author & Trainer						
VI (12.40 – 1.20 PM)	Lunch Break						
VII (1.20 – 2.10 PM)	Literary Activities by Elite Club	Creative Practices by NDL Club	Creative Practices by Fine Arts & Cultural Club	Creative Practices by Eco Club	Creative Practices by Science Club	Creative Practices by Math Expert Club	Creative Practices by Tamil Mandram Club
VIII (2.10 – 3.00 PM)	Physical Activity: Yoga by Dr G Veeramani	Physical Activity: Sports by Lt R Ashwarya Devi	Physical Activity: Yoga by Dr G Veeramani	Visits to Local Area: → CA/Mentors	Visits to Local Area: → CA/Mentors	Visits to Local Area: → CA/Mentors	Physical Activity: Sports by Lt R Ashwarya Devi
IX (3.00 – 3.50 PM)							

03/17/2021

Periodical Dissemination in Classroom

RAMCO INSTITUTE OF TECHNOLOGY Department of Computer Science and Engineering

Academic Year: 2019 - 2020 (Even Semester)

Dissemination of Vision, Mission, PEO, PSO and PO to Students

All faculty members are requested to disseminate Vision, Mission, PEO, PSO and PO to all the students of our department from 08.55 am to 09.00 am on the dates mentioned below.

Year	I CSE	II CSE	III CSE	IV CSE
03.02.2020	Mrs.M.Swarna Sudha	Mrs.N.Nithya	Dr.M.Kaliappan	Dr.K.Vijayalakshmi
04.02.2020	Dr.K.Vijayalakshmi	Mr.A.S.Prabakaran	Mr.M.Gomathy Nayagam	Mrs.M.Swarna Sudha
05.02.2020	Mrs.B.Vijayalakshmi	Dr.K.Vijayalakshmi	Ms.S.Manjula	Mr.R.Venkatesh
06.02.2020	Dr.M.Kaliappan	Ms.P.Jothi Thilaga	Mr.C.A.Yogaraja	Mrs.B.Vijayalakshmi
07.02.2020	Mrs.N.Nithya	Mr.K.Vignesh Saravanan	Dr.K.Vijayalakshmi	Mrs.V.Anusuya

N. Nithya
21/1/2020
Criteria Incharge

mark
21/1/20
NBA Coordinator (CSE)

K. S. Jeyaraj
21/1/2020
HOD-CSE

M. S. Sudha
21/1/20
Principal

Induction Programme for Freshers on 04.11.2020

RAMCO INSTITUTE OF TECHNOLOGY, RAJAPALAYAM

Induction programme for the First year Students-Academic year 2020-21

Institute Vision

“ To evolve as an Institute of international repute in offering high-quality technical education, Research and extension programmes in order to create knowledgeable, professionally competent and skilled Engineers and Technologists capable of working in multi disciplinary environment to cater to the societal needs. ”

Department Vision

Develop futuristic technologies in Electronics and Communication Engineering to meet the global challenges and the societal needs of our nation.

Department Mission

- Educate students to become enlightened engineers with the latest know-how to take on the challenges concerned with the society.
- Equip the students with the current trends and latest technologies in the field of Electronics and Communication Engineering to make them technically strong and ethically sound.
- Constantly motivate the students and faculty members to achieve excellence in Electronics and Communication Engineering and Research & Development activities.

Induction Programme for Freshers schedule

RAMCO INSTITUTE OF TECHNOLOGY, RAJAPALAYAM Time Table for Student Induction Programme 2020- 2021

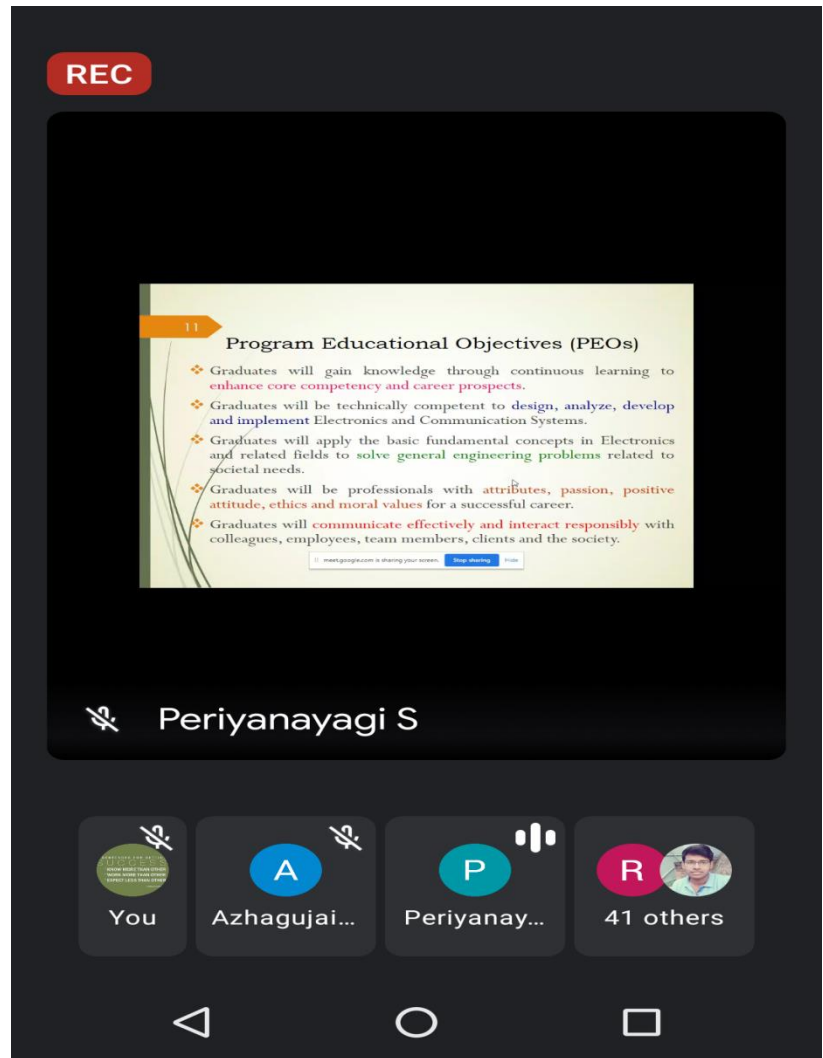
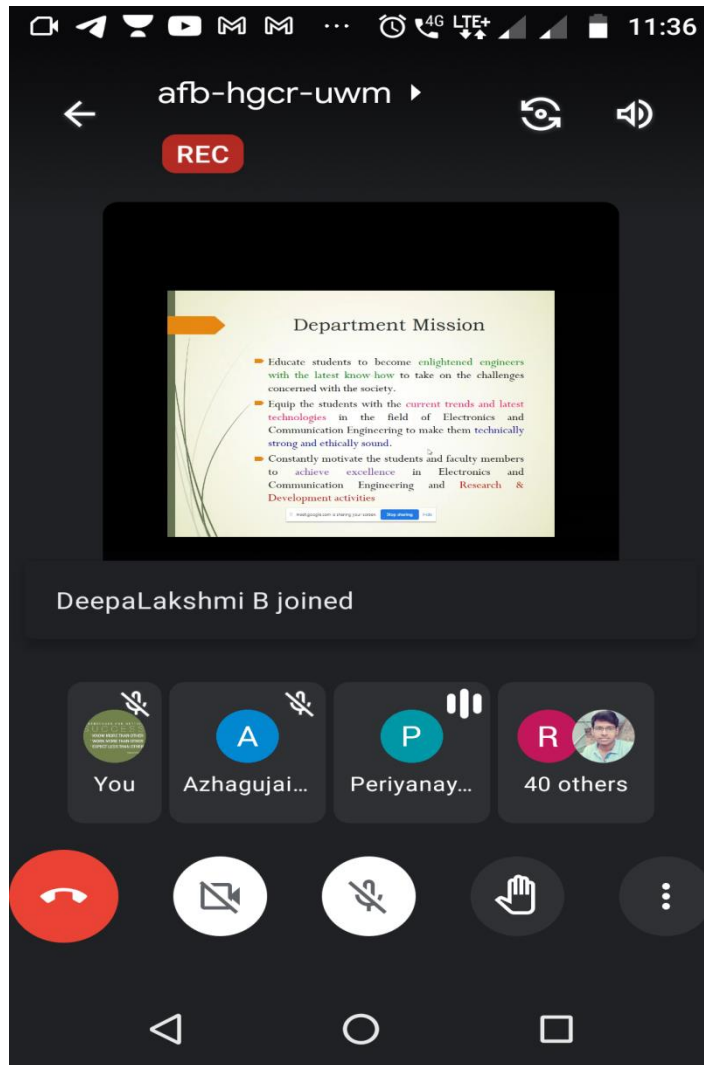
Week-I Day	9.45 AM – 10.35 AM	10.45 AM – 11.35 AM	11.45 AM – 12.35 PM	1.45 PM – 2.35 PM	2.35 PM – 2.50 PM
	Common to all sections		Section-wise	Section-wise	
04.11.2020	<u>Familiarization to College</u> <ul style="list-style-type: none"> Principal address ⇒ Dr.L.Ganesan Vice Principal address ⇒ Dr.S.Rajakarunakaran HoD introduction ⇒ Dr.G.GodsonBedeiah 	<u>Mentoring/Universal Human Values</u> <ul style="list-style-type: none"> Competition and Excellence Self and Body ⇒ Dr.K.Karthikeyan 	<u>Creative Arts</u> <ul style="list-style-type: none"> Section – I: Elite Club Section – II: NCC/NSS Section – III: Fine arts & Cultural Club Section – IV: Eco Club Section – V: Science Club Section – VI: Math Expert Club Section – VII: Tamil Mandram 	<u>Familiarization to Department</u> (Department wise) <ul style="list-style-type: none"> About the department & facilities Dissemination of vision, mission, PEOs, POs, PSOs ⇒ HoD 	<u>Feedback</u> ⇒ CA/Mentor
05.11.2020	<u>Familiarization to College</u> <ul style="list-style-type: none"> About the College & Infrastructure ⇒ Dr.O.Senthilkumar Virtual tour ⇒ Mr.T.Thangam 	<u>Mentoring/Universal Human Values</u> <ul style="list-style-type: none"> Gratitude Respect Prosperity ⇒ Dr.S.Godwin Barnabas 	<u>Creative Arts</u> <ul style="list-style-type: none"> Section – I: Tamil Mandram Section – II: Elite Club Section – III: NCC/NSS Section – IV: Fine arts & Cultural Club Section – V: Eco Club Section – VI: Science Club Section – VII: Math Expert Club 	<u>Mentor-Mentee group</u> <ul style="list-style-type: none"> Mentoring System ⇒ CA/Mentor Self-introduction by the students ⇒ CA/Mentor 	<u>Feedback</u> ⇒ CA/Mentor
06.11.2020	<u>Familiarization to College</u> <ul style="list-style-type: none"> Academic Process ⇒ Dr.S.Periyanayagi Exam cell ⇒ Mr.K.Subramanian 	<u>Mentoring/Universal Human Values</u> <ul style="list-style-type: none"> Relationship in family Trust ⇒ Dr.M.Gomathinayagam 	<u>Creative Arts</u> <ul style="list-style-type: none"> Section – I: Math Expert Club Section – II: Tamil Mandram Section – III: Elite Club Section – IV: NCC/NSS Section – V: Fine arts & Cultural Club Section – VI: Eco Club Section – VII: Science Club 	<u>Familiarization to Department</u> (Department wise) <ul style="list-style-type: none"> Scope & Placement ⇒ Placement Coordinator 	<u>Feedback</u> ⇒ CA/Mentor
07.11.2020	<u>Co-Curricular Activities in College</u> ⇒ Dr.K.Vijayalakshmi <u>Extra-Curricular Activities in College</u> ⇒ Dr.K.Basarikodi	<u>Mentoring/Universal Human Values</u> <ul style="list-style-type: none"> Purpose of the Course Self Confidence ⇒ Mr.G.Karthikeyan 	<u>Creative Arts</u> <ul style="list-style-type: none"> Section – I: Science Club Section – II: Math Expert Club Section – III: Tamil Mandram Section – IV: Elite Club Section – V: NCC/NSS Section – VI: Fine arts & Cultural Club Section – VII: Eco Club 	<u>Co-Curricular Activities in College</u> (Department wise) <ul style="list-style-type: none"> Department specific professional Societies ⇒ CA/Mentor 	<u>Feedback</u> ⇒ CA/Mentor
09.11.2020	<u>Literary activity</u> <ul style="list-style-type: none"> Library Mr.S.Chandran 	<u>Mentoring/Universal Human Values</u> <ul style="list-style-type: none"> Aspirations and Family Expectations Peer Pressure Competition and Cooperation ⇒ Dr.B.Deeplakshmi 	<u>Creative Arts</u> <ul style="list-style-type: none"> Section – I: Eco Club Section – II: Science Club Section – III: Math Expert Club Section – IV: Tamil Mandram Section – V: Elite Club Section – VI: NCC/NSS Section – VII: Fine arts & Cultural Club 	<u>Familiarization to Department</u> (Department wise) <ul style="list-style-type: none"> Awards & achievement of student and faculty ⇒ CA/Mentor 	<u>Feedback</u> ⇒ CA/Mentor

Lunch Break

Balraj
SIP Cell Chairperson

Principar
3.11.20

Alumni Meeting on 07.02.2021



IQAC Meeting



RAMCO INSTITUTE OF TECHNOLOGY
Department of Civil Engineering
Academic Year 2020 – 2021



Report of the Minutes of Meeting of PAQIC Meeting - II

Date of Meeting: 14.08.2021 (Tuesday)

Time of Meeting: 3:00 PM to 5:00 PM

Reference: RIT/Civil/PAQIC/02

Members Present:

Sl. No.	Name of the Faculty Member	Designation	PAQIC
01.	Mr. S. Dharmar	Assistant Professor (Sr.Gr.) and Head / Civil	Convener
02.	Dr. K. Basarikodi	Professor & Head/ Maths	Member
03.	Mr. G. Karthikeyan	Assistant Professor (Sr.Gr.) / Civil	Member
04.	Mr. R. Muruganantham	Assistant Professor / Civil	Member
05.	Mr. A. Manicka Mamalan	Assistant Professor / Civil	Member
06.	Mrs. V. Anusuya	Assistant Professor (Sr.Gr.) / CSE	Member
07.	Ms. S. Sharmila Kumari	Assistant Professor / EEE	Member
08.	Mrs. V. SreirangaNachiyar	Assistant Professor (Sr.Gr.) / ECE	Member
09.	Mr. R. Arun Kumar	Assistant Professor / Mechanical	Member
10.	Dr.M.K.Haridharan	Associate Professor / Civil	Representative
11.	Mrs. C. Subha	Assistant Professor (Sr.Gr.) / Civil	Representative
12.	Mrs. D. Darling Helen Lydia	Assistant Professor / Civil	Representative
13.	Mr. T. Chockalingam	Assistant Professor / Civil	Representative
14.	Mrs. R. Kalaimani	Assistant Professor / Civil	Representative
15.	Mr. J. Ram Prashath	Assistant Professor / Civil	Representative
16.	Dr. M. Indhumathi	Assistant Professor / Civil	Representative
17.	Mrs. A. Leema Margret	Assistant Professor / Civil	Representative
18.	Mr.V.Ragavan	Assistant Professor / Civil	Representative

1. REVIEW OF PREVIOUS MEETING (1ST PAQIC)

Presenter: Mr S.Dharmar, Assistant Professor (Sr.Gr.) and Head/Civil

- Started with the welcome address and extended a warm welcome to the PAQIC external and internal members and a sincere gratitude was expressed towards all the members present in the meeting.
- Presented the agenda of the meeting and review of previous (1st DAC) meeting.

Name & Topic	Members Suggestions	Action Taken
Mr.G.Karthikeyan 1. Dissemination of Vision, Mission, PEO's and PSO's	Suggested documenting the Vision, Mission, PEOs and PSOs and suggestions received from the internal and external stakeholders.	Collection of suggestions from stakeholders related to Vision, Mission, PEOs and PSOs are in progress.
Mr.T.Chokalingam 2. Attainment of PO's, PSO's and Quality Objectives	Unattained GOs are indicated and discussed. The root cause analysis for not attaining the target is to be carried out and the same should be discussed with faculty members. New pedagogy techniques should be implemented to attain the target as specified Suggested comparing the attainment for the academic year 2019-2020 with previous year's attainment.	New pedagogy techniques like virtual lab experiments, Active learning techniques are implemented in theory and practical courses. Comparison of attainment for the academic year 2019-2020 and 2020-2021 in progress.
Mr.S.Subha 3. Program Effectiveness	All Student projects should be presented in reputed conferences and the papers should be published in international journals. Science Day projects, Design and Fabrication projects and final year projects can be consolidated and classified for the scope of patenting, research studies and product development. Recommended to improve the turnout ratio of paper presentation in International Conferences organized by reputed institutions.	All the student projects are published in National Conference Proceedings. One Patent has filed for the academic year 2020-2021, two student projects are identified to apply for Patent in that academic year.

Fig.1 Review of previous meeting (1st PAQIC), Presented by Mr.S.Dharmar, AP(SG) & Head/Civil

2. RESULT ANALYSIS OF 2019-2020 EVEN SEMESTER AND 2020-2021 ODD SEMESTER

Presenter: Mrs.R.Kalaimani, AP/Civil

- The results of 2019 – 2020 even semesters, 2020-2021 odd semester result and Reason for arrear students were presented. The following points were highlighted during the presentation.
 - The individual subject-wise results and scope for clearing in re-examination
 - She, highlighted the reasons for several students getting arrear and withheld in each subject
 - Civil department results were compared with other branches.

GRADE ANALYSIS OF END SEMESTER EXAMINATION Nov / Dec 2020						
V Semester B.E. Civil Engineering						
Overall Pass : 14/22 Overall Pass Percentage: 63.64%						
Sl. No	Course Code & Title	Name of the Faculty Member	No. of Appr. at	No. of Pass	No. of Fail	Pass %
1	CE4501 - Design of Reinforced Concrete Concrete Elements	Mr.V.Dhanasekar	22	21	01	95.45%
2	CE4502 - Structural Analysis I	Mr.D.Darling Helim Latha	22	21	01	95.45%
3	EN2491 - Water Supply Engineering (Including WH)	Mr.C.Subha	22	19	03	86.36%
4	EN2491 - Water Supply Engineering (Excluding WH)	Mr.C.Subha	21	19	02	90.48%
5	CE4501 - Foundation Engineering	Mr.R.K.Ganesh	22	14	08	63.64%
6	CE4501 - Disaster Management (Professional Practice II)	Mr.A.Manickamannan	22	21	01	95.45%
6a	DE4501 - Sources of Energy Sources (Open Elective I)	Mr.F.Thangaraj	19	17	02	89.47%
6b	OC4501 - Industrial Nanotechnology (Open Elective II)	Dr.O.Senthil Kumar	03	03	00	100%
7	CE4511 - Soil Mechanics Laboratory	Mr.T.Chockkiaman & Mrs.L.Jothsna Rani	22	22	00	100%
8	CE4512 - Water and Wastewater Analysis Laboratory	Mr.C.Subha & Mrs.A.Latha Margaret	22	22	00	100%
9	CE4513 - Survey Camp	Mr.A.Manickamannan	22	22	00	100%

Fig.2 Result Analysis, Presented by Mrs.R.Kalaimani, AP/Civil

Remarks from Members:

- Committee members suggested to conduct model examination for improving the department results
- The results of Civil department are better compared to other departments.
- This semester the same subject has been allotted for faculty members as last year. Get feedback from the faculty on these subjects that are facing issues. Based on the feedback and teaching learning process, this year has planned to take action for improving the department results and to avoid those issues in the previous year end semester examination.

3. TEACHING AND LEARNING PROCESS

Presenter: Mrs.C.subha, AP. (Sr.Gr)/Civil briefed the Teaching Learning Process.

The following contents were presented,

1. Content Beyond Syllabus
2. Innovative Practices followed
3. Actions taken for slow and bright learners
4. Feedback form for teaching and learning process
5. Question paper quality improvement

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2. INNOVATIVE PRACTICES	
Technique	Implications of the Technique
Interactive Projector (ICT Tools)	Helped Students to understand Problems step by step (used for problematic subjects like Structural Analysis, Fluid Mechanics & Steel Structures)
LMS (Canvas/ Google classroom)	Accessibility to Study Materials . (used for all subjects)
Virtual Laboratory -	Remote access to labs enhanced students curiosity in learning rather than mere explanation of lab experiments. Virtual Labs - Civil Engineering (vlab.co.in)
Virtual Demonstration of Concepts	For clear understanding of concepts. "Friction in pipes" – CE8302 – Fluid Mechanics (20.10.2020). "Direct Shear Test on Soil" – CE8591 Foundation Engineering (28.10.2020) "Topographical contour map on site selection for landfill" - EN8591 Municipal Solid Waste Management (29.10.2020)

Fig.3 Teaching and Learning Process, Presented by Mrs.C.Subha, AP(SG)/Civil

Remarks from Members:

- Curriculum gap and content beyond syllabus can be identified with the suggestions from industrial members & professions in various subjects.
- More number of innovative teaching practices can be followed and their outcomes need to be presented.
- Attendance of slow learner classes and the outcomes achieved can be presented show its effectiveness
- To improve the skills of bright students, few more things can be planned & executed Other than competitive exam coaching & online courses.
- For Assessing the quality of question papers, domain coordinators can be fixed.

4. ATTAINMENT OF COS, POS, PSOS WITH PROGRAM EFFECTIVENESS (2020-2021)

Presenter: Mr.T.Chockalingam, AP/Civil Engineering

- Described the direct assessment methods such as Internal Assessment Tests, Assignments & Tutorials, Project reviews and End Semester University Examinations.
- Described the indirect assessment methods such as Programme Exit Survey, Alumni Survey and Course Exit Survey.
- Process of Course Outcomes, PO, and PSO Attainment is elaborated.
- For each regulation, target is fixed on the basis of end semester results. For first batch of students in that regulation, target is fixed initially as **1.5** for theory course and **1.8** for laboratory course. Subsequently, target is revised on end semester results. If attained, target is increased for next batch. If not attained, root cause analysis was done to prevent this in future.
- Regulations 2017 – 6th Semester and 4th Semester – All the subjects attained the target fixed.

- Comparing the program outcomes attainment is under progress and waiting for university examination results – Nov/Dec 2020 and April/May 2021.

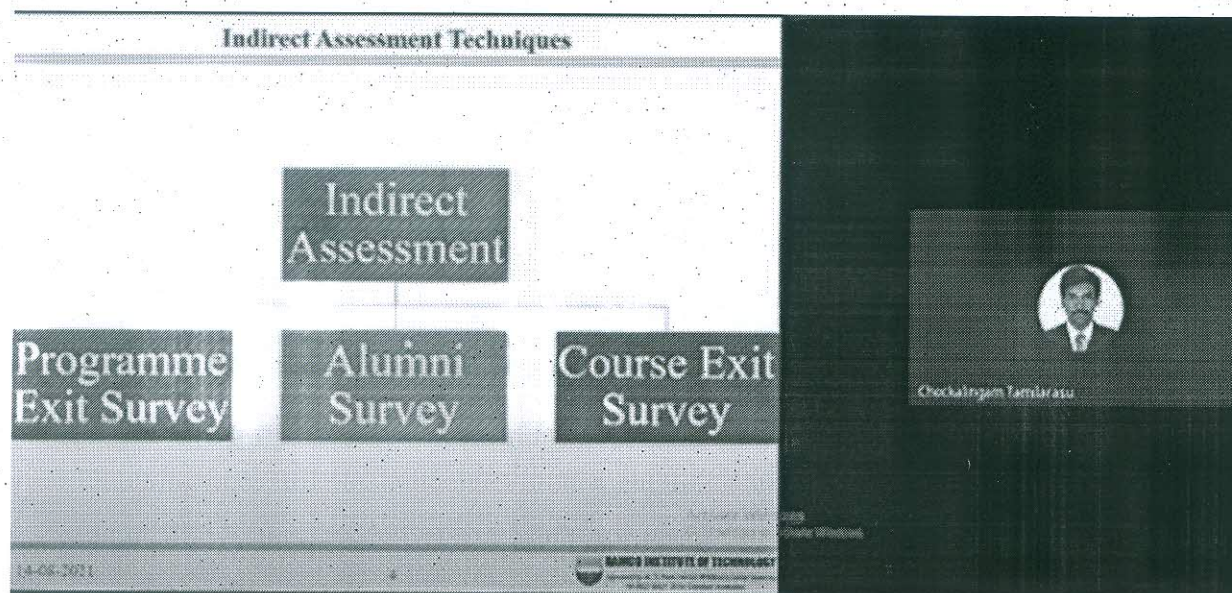


Fig.4 Attainment of COs, POs, PSOs with Program Effectiveness, Presented by Mr.T.Chockalingam, AP/Civil

Remarks from Members:

- Few more direct assessments can be added. Innovative Practices done for better understanding of subjects can be assessed by giving quiz or any other suitable methods.
- Indirect assessment can be categorized: Course Exit survey meant for CO attainment calculation and Programme exit survey, Alumni Exit survey meant for PO attainment calculation. In forthcoming meeting, it was suggested to classify the indirect assessment method followed and attainment calculation for the same needs to be presented.

5. INSTITUTE – INDUSTRY INTERACTIONS AND ITS IMPLEMENTATIONS

Presenter: Mr.R.Muruganatham, AP/Civil Engineering

- Presented list of companies with whom MoUs are signed for the academic year 2020 – 2021.
- Programs organized through MoU signed companies.
- Statistics of Internship and In-Plant Trainings
- Presented students placement and internship in MoU signed companies.

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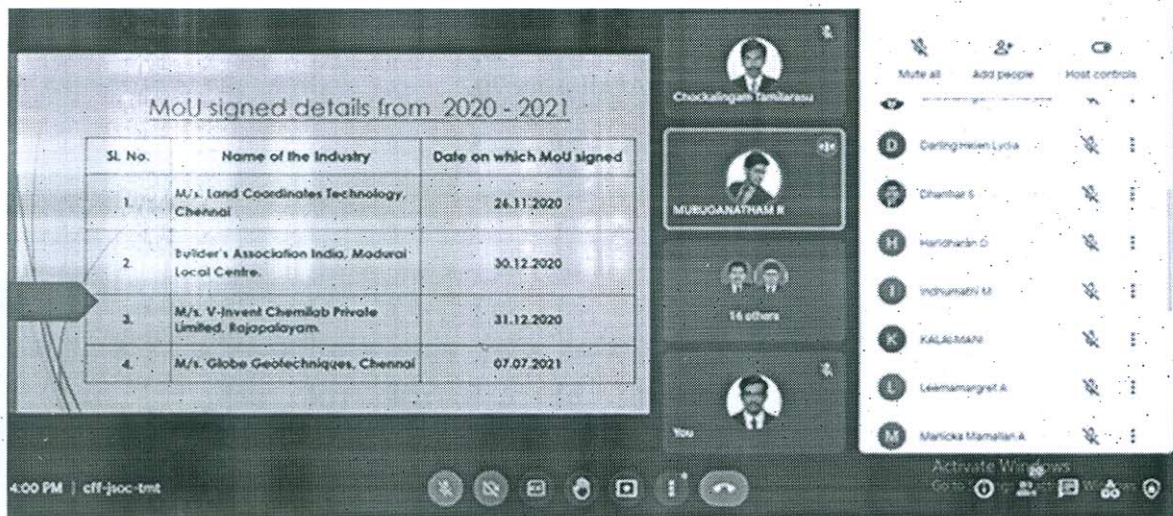


Fig.5 Institute – Industry Interactions and its Implementations, Presented by Mr.R.Muruganatham, AP/Civil

Remarks from Members:



- Show the students Internship and In-Plant Trainings details in the separate agenda.

6. TRAINING AND PLACEMENT PROGRESS & CAREER GUIDANCE CELL ACTIVITIES

TRAINING AND PLACEMENT PROGRESS

Presenter: Mr.T.Chockalingam, AP/Civil

- Elaborated the training classes provided by both internal and external members from July 2020 – June 2021.
- Outcome of the training provided to students is mapped with two different scenarios.
 - Four students got shortlisted for 2nd round in Zoho Corporation and one more student got shortlisted for Interview from TCS based on TCS Ninja training provided was discussed.
- Discussed the placed students’ details for the Academic Year 2020-2021. Out of 24 students opted for placements, 21 students got selected in various firms and the offer letters of the same were projected.

Placed Students – Academic Year 2020-2021 - Continued				
Sl. No.	Name of the Student	Company Placed	Salary offered	Offer Letter
10	Siva KM	Lanco Holdings Ltd.	10,000/- PM	Offer Letter will be provided while joining
11	Deva Dhanini C.	Focus Education & Exams	6000/- PM during Training	Deva Dhanini
12	Prithvi P.	Focus Education & Exams	6000/- PM during Training	Prithvi P.
13	Mubens M	Focus Education	6000/- PM during Training	Mubens
14	Hari Prashath S	Hesa consulting Engineers	15,000/- PM	Hari Prashath
15	Nagesh S	Hesa consulting Engineers	15,000/- PM	Nagesh
16	Miri Sankar N	PSK Construction	12000/month	
17	Sivakumar C	PSK Construction	12000/month	
18	Selvakrishnan S	NCCCL	14500/month	Offer Letter will be provided after obtaining all the certificate credentials
19	Naveen Kumar S	NCCCL	14500/month	Offer Letter will be provided after obtaining all the certificate credentials

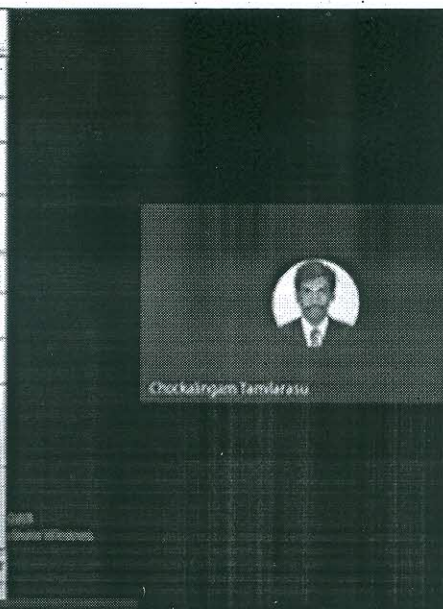


Fig.6 Training and Placement Progress, Presented by Mr.T.Chockalingam, AP/Civil

Remarks from Members:

- Joining order / Identity card of placed students needs to be collected. Continuous follow-up is necessary till joining the firm.
- Placement percentage is fine. But at the same time, annual CTC needs to be enhanced.

CAREER GUIDANCE CELL ACTIVITIES

Presenter: Mr.J.Ram Prashath, AP/Civil

- Presented the Quality Objective of the Career Guidance Cell and the Target fixed for the Academic Year 2020-2021.
- Elaborated the details of GATE Online coaching provided by GATEFORUM, Madurai.
- Discussed the conduction Online Quiz on Logical Reasoning for all the II, III, IV year students of all the departments during November 2020.
- Presented the details of awareness program conducted on “How to face TNPSC Group – I Exam” conducted on 24.12.2020.

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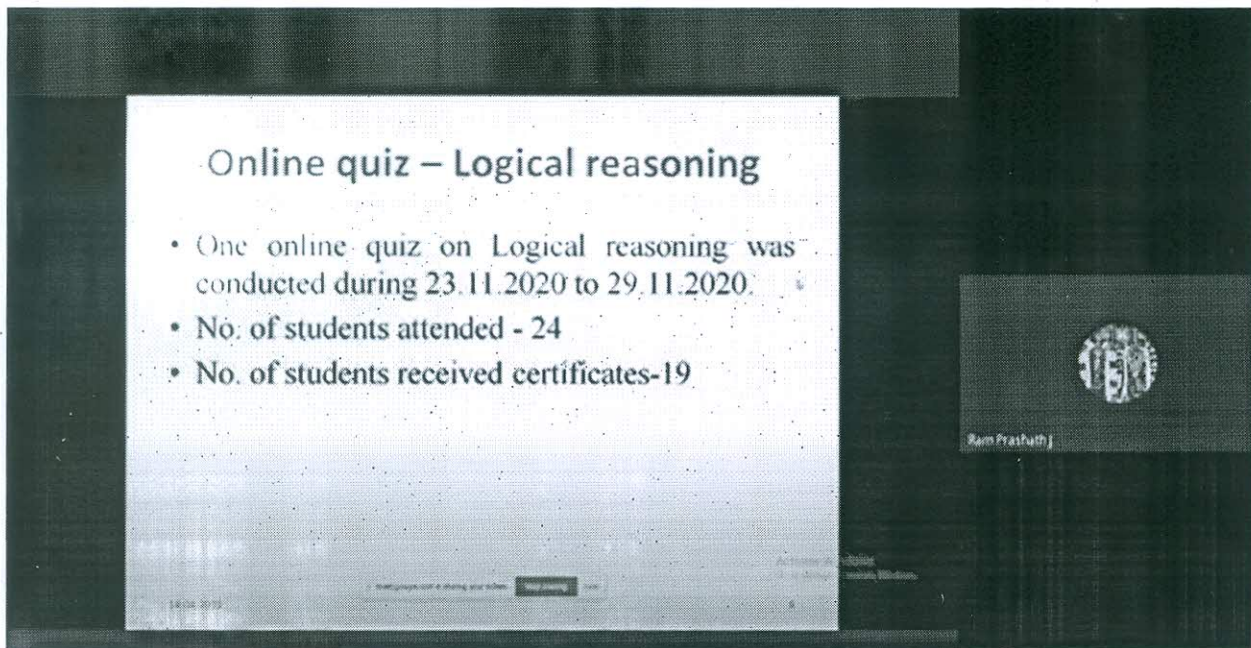


Fig.7 Online Quiz – Logical Reasoning, Presented by Mr.J.Ram Prashath, AP/Civil

Remarks from Members:

- More number of awareness programs can be conducted for attaining the Quality Objectives of the cell.
- Details of students of Civil Engineering Department cleared TANCET Exam can be included.

7. PROFESSIONAL SOCIETIES AND TECHNICAL ASSOCIATION: PARTICIPANTS AND ITS INFERENCE

Presenter: Mrs.D.Darling Helen Lydia, AP/Civil Engineering

- Presented the list of programs planned and organized through RIT-STRUCTA and ICI Students Chapter
- Participation details from various states and the feedbacks received from all participants were presented
- Discussed the formulation of Indian Green Building Council(IGBC) in RIT and the plan about signing MoU with Federation of all Civil Engineers Association of Tamilnadu and Pondicherry.

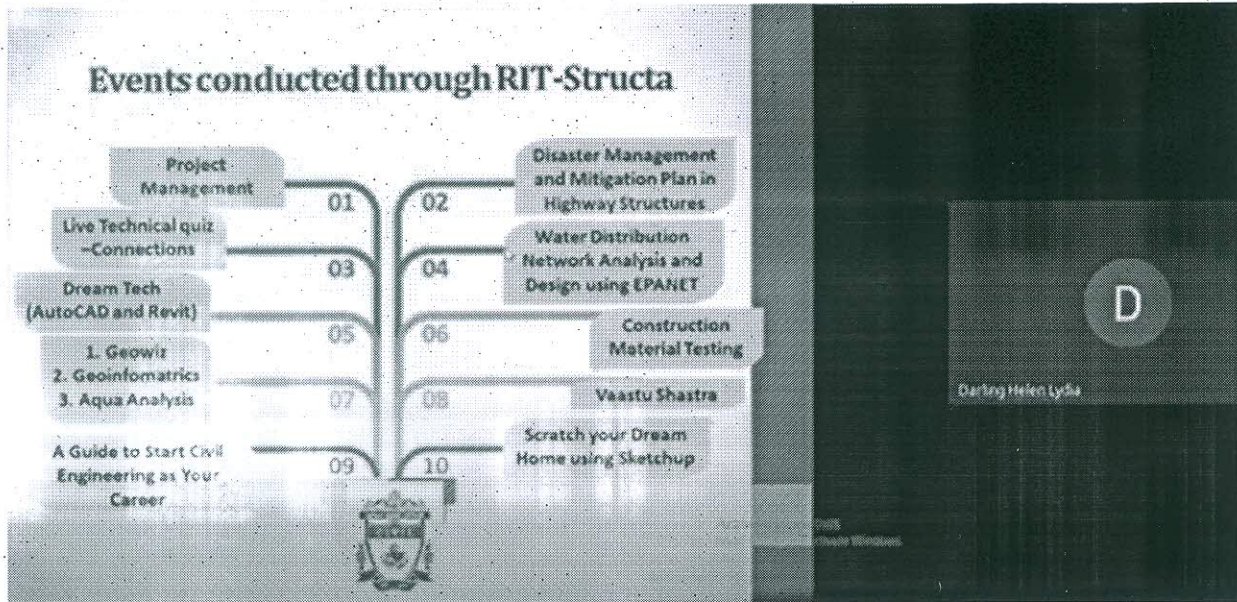


Fig.8 Professional societies and technical association, Presented by Mrs.D.Darling Helen Lydia, AP/Civil

Remarks from Members:

- Number of participation in each event can be provided
- Through this we can measure the outcome of each program conducted by considering registration and participation

8. INTERNSHIP & IN-PLANT TRAINING REPORT

Presenter: Mr. G. Karthikeyan, Assistant Professor (Sr.Gr.)/Civil

- Presented the number of students undergone the Internship and In-Plant Training
- Presented the rubrics formulated for evaluation of Internship/IPT and PO & PSOs mapping with Internship
- Discussed the formulation of department consultative committee for assess the student performance in internship and In-Plant Training
- Impact analysis was carried out for placement and internship through MoU signed industry.

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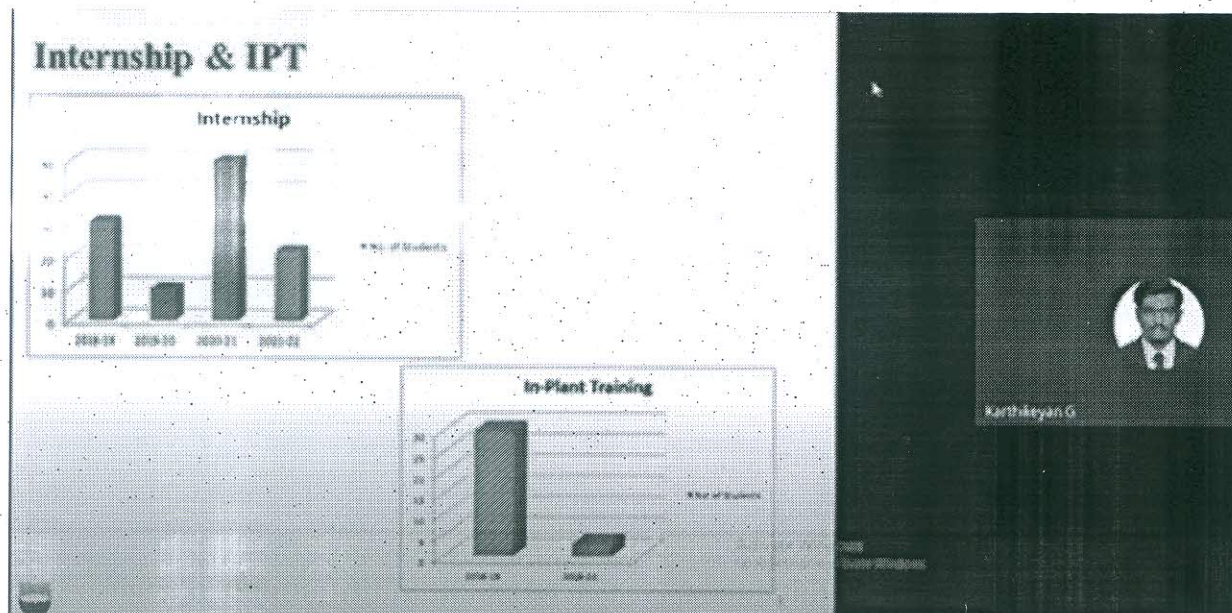


Fig.9 Internship & In-Plant Training, Presented by Mr.G.Karthikeyan, AP(SG)/Civil

Remarks from Members:

- The committee members appreciated the Department consultative committee, Internship mapping with PO and PSOs and rubric for the internship evaluation.
- Suggested to check internship mapping with PO 7 and PO 8 and include level of mapping, calculate the attainments based on the internship evaluation.
- Suggested to include the title of internship, domain specification and more number of students are asked to participate Internship/In-Plant training in the next semester onwards.

9. EDC, IIC & NISP Progress

Presenter: Mr.J.Ram Prashath, AP/Civil

- Elaborated about the National Innovation And Startup Policy, Tamil Nadu Startup and Innovation Policy and RIT – Innovation and Entrepreneurship Policy.
- Presented the activities carried out from RIT – IIC for the academic year 2020 – 2021.
- Presented the details of Patents Filed from Department of Civil Engineering for the academic year 2020 – 2021.
- Discussed the details of Students turned Entrepreneurs during the academic year 2020 – 2021.

Student turned Entrepreneur Details (2020 – 2021)

S.No.	Name of the Student Entrepreneur	Department	Year of Passed Out	Type of Business	Designation
1.	Suvaran S	Civil Engineering	2021	Civil Consultant	Proprietor
2.	Gokul S		2020	Construction Materials wholesale dealer	Manager
3.	Mahavidya S			Civil Consultant	Assistant Engineer
4.	Dattin Samuel Gnanaraj A			Civil Consultant	Assistant Engineer
5.	Naga Sivaraaj N			Construction Materials wholesale dealer	Manager
6.	Pradeep V			Building contractor	Contractor

14/08/2021



Ram Prashath

Fig.10 Students turned Entrepreneurs Details (2020 – 2021), Presented by Mr.J.Ram Prashath, AP/Civil

Remarks from Members:

- The details of Students turned Entrepreneurs should be mapped with the activities carried out from ED Cell in order to assess the outcome.

10. FACULTY PARTICIPATIONS/PERFORMANCE

Presenter: Mrs.A.Leema Margret, AP/Civil Engineering

The details of faculty members' participation and research activities were presented. The following keys points were discussed.

- Mentioned the details of faculty member's total strength, number of Ph.D holders, number of faculty members pursuing Ph.D and number of faculty members attended Ph.D selection interview.
- Tabulated the Student Faculty Ratio (SFR), Faculty Cadre Proportion, Faculty Qualification and Faculty Retention for the academic year 2020-2021 and comparison has been made with the previous academic year 2019-2020.
- Publications in journals by the faculty members and the list of the journal titles were presented.
- Presented the Consolidated data of faculty member's participation in various reputed conference publications.(National and International) and Book chapter publications.

- Funded project details, Patent details and their current status were also presented for the academic year 2020-2021.
- Faculty member's participation in various workshops, webinars, conferences, FDPs, STTPs in various reputed industries and institutions are listed.
- Presented the list of faculty online course completion, details of faculty members acted as resource person within as well as outside RIT and their participation in AICTE, IUCEE, IITM PALS for the academic year 2020-2021.

Table 1 Details of Journal / Conference/ Book Chapter publication

Sl. No.	Description	Level	Nos.
1.	Journal Publications	SCI Indexed	1
		Scopus Indexed	1
2.	Conference Publications	International	4
		National	11
4.	Book Chapter Publication	=	1

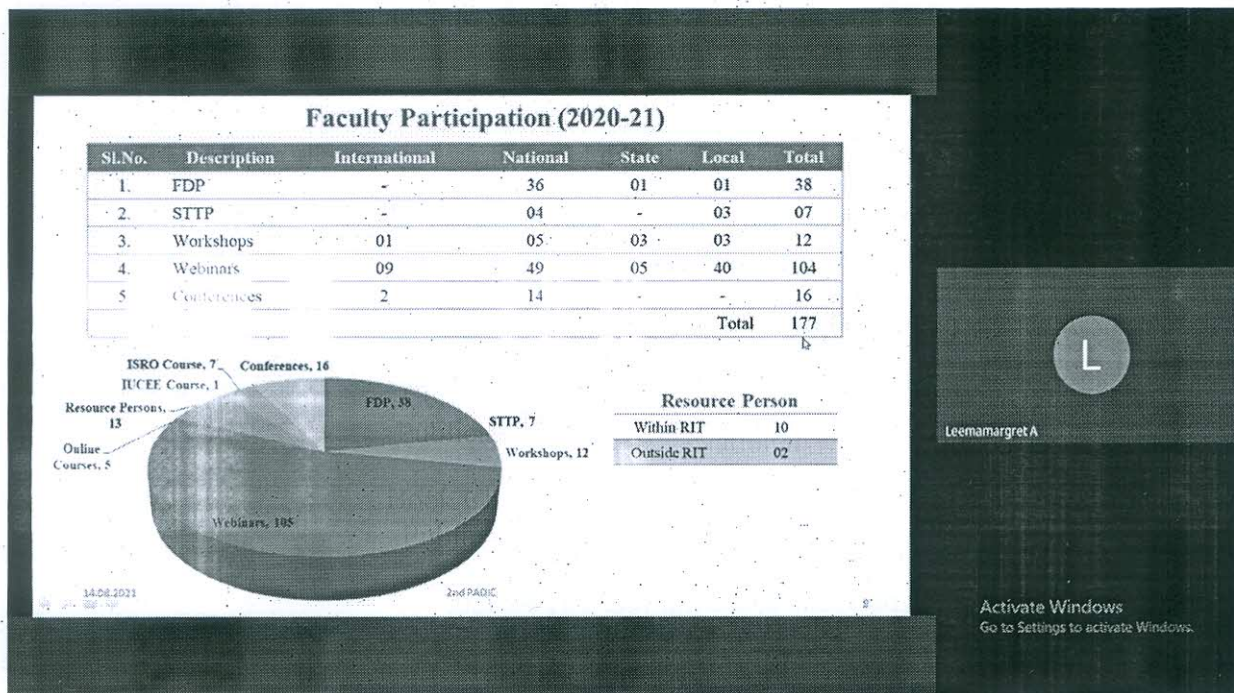


Fig.11 Faculty Participation, Presented by Mrs.A.Leema Margret, AP/Civil

Remarks from Members:

- Impact and effectiveness on faculty participation were clearly defined and improved.

- In what way the faculty member's participation has impacted on teaching learning process could have been presented.
- Student Faculty ratio could have been calculated for total intake of students instead of total admitted students.

11. LABORATORY UTILIZATION WITH RESPECT TO OBE

Presenter: Mr. V.Ragavan, Assistant Professor /Civil

The details of Laboratory usage were presented. The following points were discussed.

- Presented the list of laboratory and their usage for Project work, consultancy work and faculties' research work.
- Discussed the equipment available beyond Anna University Curriculum and their utilization.
- Discussed list of experiments done by utilization of virtual laboratory.
- Tabulated the consultancy work details academic year wise.

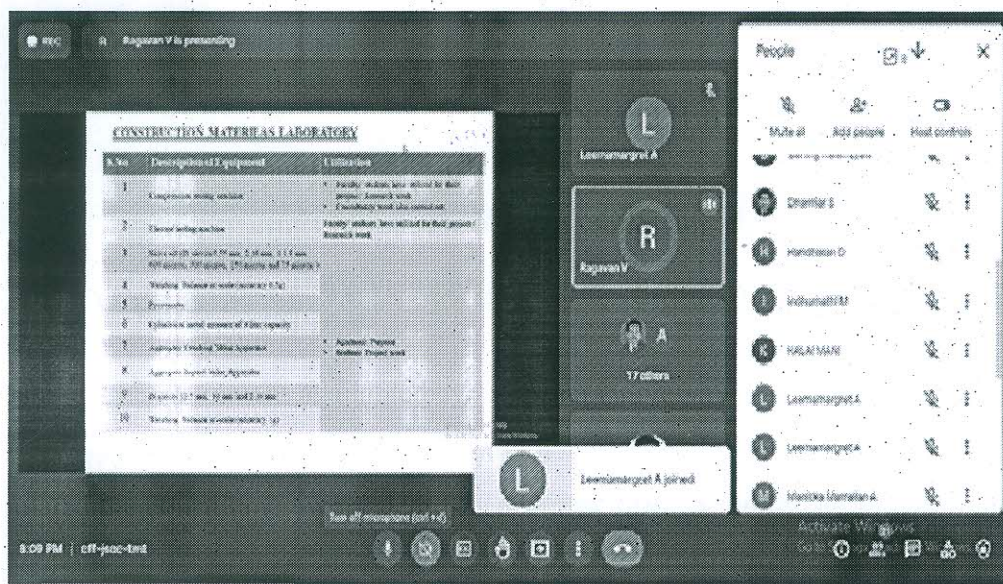


Fig.12 Laboratory utilization with respect to OBE s, Presented by Mr.V.Ragavan, AP/Civil

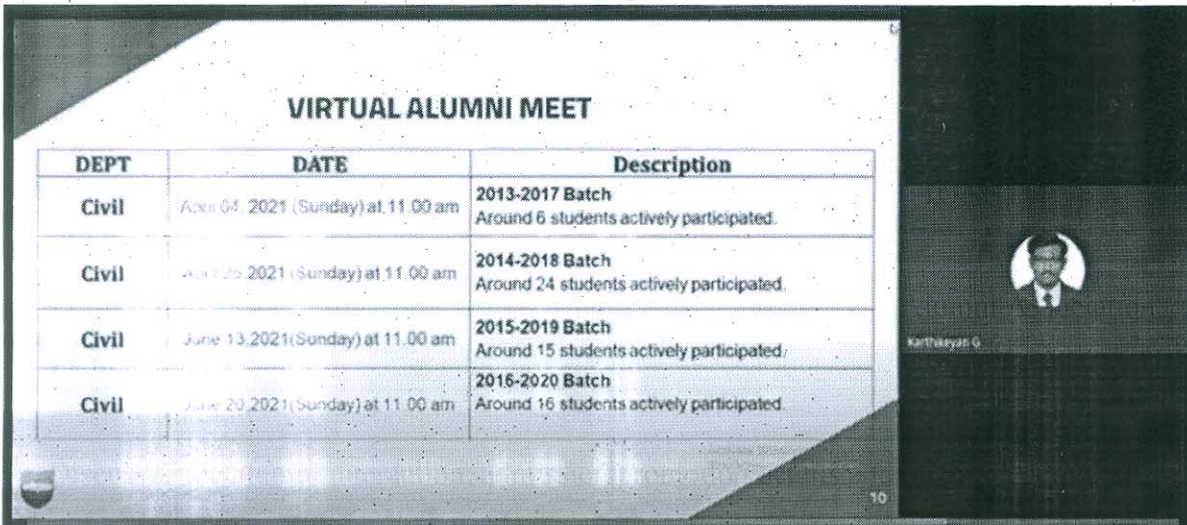
Remarks from Members:

- Members suggested including the number of students who have benefitted from each laboratory.
- Suggested to involve students for consulting works and also to give appreciation certificate to them.

12. ALUMNI ASSOCIATION INTERACTIONS

Presenter: Mr. G. Karthikeyan, Assistant Professor (Sr.Gr.)/Civil

- Presented the list of programs planned and organized through RIT-Alumni Association
- Participation details of virtual alumni meeting for various batch students and suggestions given by alumni were presented.
- Discussed the alumni interaction, admission promotion details and alumni testimonials.
- Presented the details of virtual alumni meeting and participant details



DEPT	DATE	Description
Civil	April 04, 2021 (Sunday) at 11.00 am	2013-2017 Batch Around 6 students actively participated.
Civil	April 25, 2021 (Sunday) at 11.00 am	2014-2018 Batch Around 24 students actively participated.
Civil	June 13, 2021(Sunday) at 11.00 am	2015-2019 Batch Around 15 students actively participated.
Civil	June 20, 2021(Sunday) at 11.00 am	2016-2020 Batch Around 16 students actively participated.

Fig.13 Alumni Association Interactions, Presented by Mr.G.Karthikeyan, AP(SG)/Civil

Remarks from Members:

- As per alumni suggestions, action taken report can be included and the necessary steps may be taken for the forthcoming semester onwards.

13. CONTINUOUS IMPROVEMENTS

Presenter: Dr.M.Indhumathi, Assistant Professor/Civil

- Presented the list of Audits conducted in the department and college level
- Action taken for implementation to the internal academic audit is listed.
- Presented the improvements in higher studies, placements and entrepreneurship.
- Presented the improvements in student admissions.

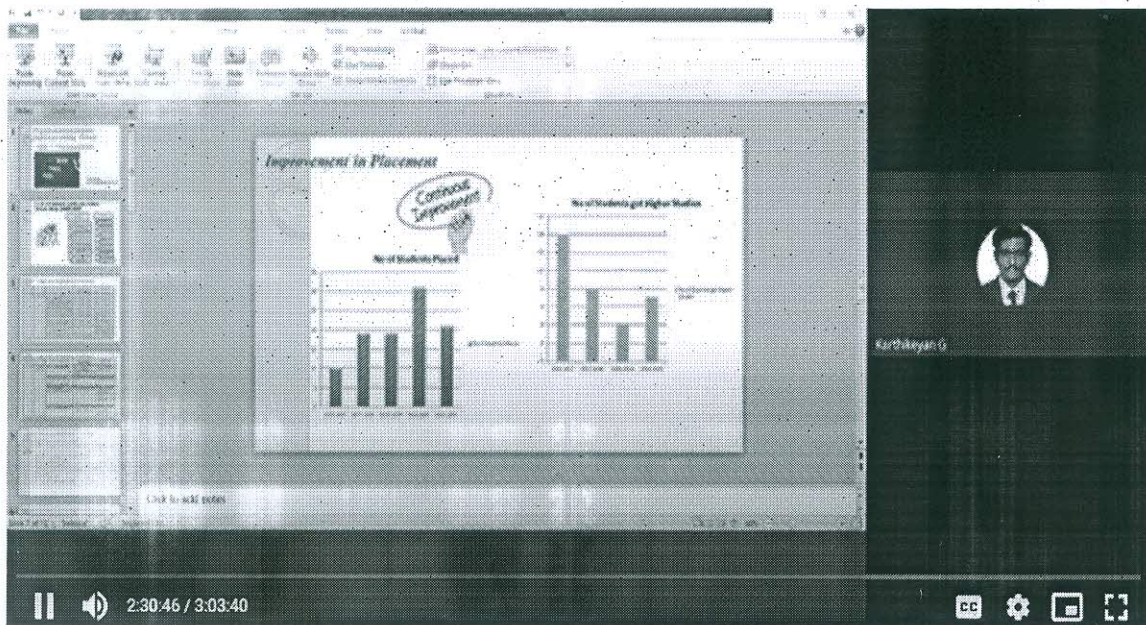


Fig.14 Continuous Improvements, Presented by Dr.M.Indhumathi, AP/Civil

Remarks from Members:

- Members appreciated the good presentation.
- Suggested conducting an academic audit by external members and said that ISO audit is differ from academic audit.
- Suggested to incorporate the reasons behind the continuous improvement in next PPT

**14. STAKEHOLDERS FEEDBACK AND ANALYSIS:
STUDENTS/PARENTS/ALUMNI/RECRUITERS**

Presenter: Mr. A.Manicka Mamallan, Assistant Professor /Civil

- Presented the mode of feedback collection
- Discussed the feedback received from Alumnus, Parents

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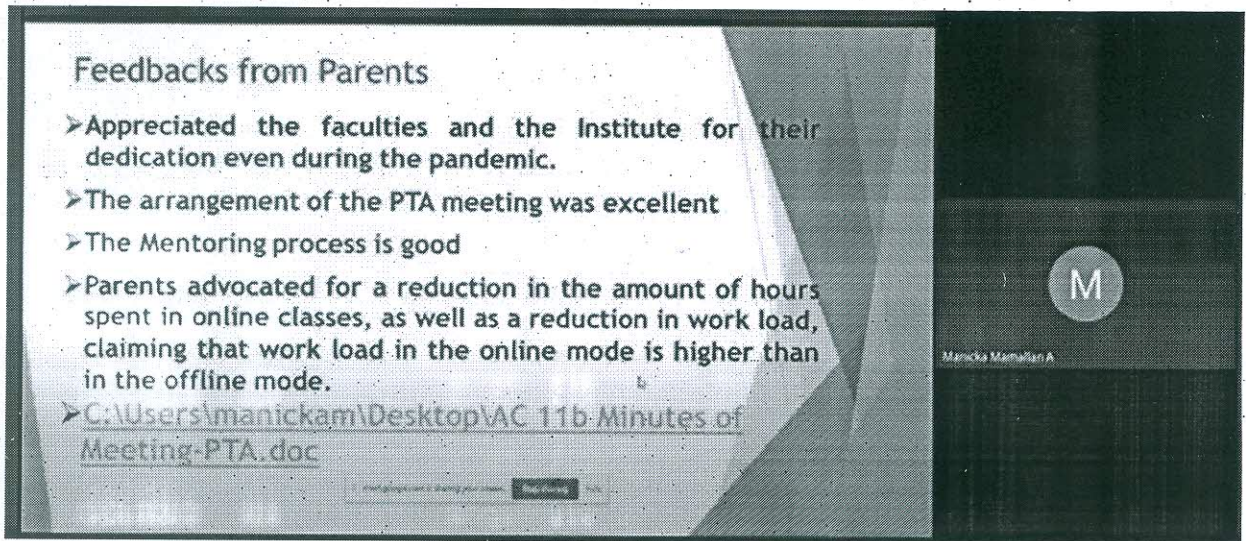


Fig.15 Stakeholders Feedback And Analysis, Presented by Mr.A.Manicka Mamallan, AP/Civil

Remarks from Members:

- No Comments

Overall Remarks from Members:

- Appreciated for the good presentation, consultancy work, faculty strength and publication
- Repetition of few presentations was eliminated and steps taken and impact analysis can be presented in the next meeting.
- POs & PSOs mapping can be carried out for co-curricular and extracurricular activities with assessment for POs and PSOs attainment calculation.
- No. of internship and more number of innovative practices can be improved.
- Steps need to be taken to improve the placement for higher salary package in the coming year.

G. Karthikeyan
7/9/2021

Prepared by

(Mr.G.Karthikeyan, AP(SG)/Civil)

Manicka Mamallan A
7/9/21

Reviewed by

(HOD/Civil)

Manicka Mamallan A
7/9/21

Approved by

Principal

RAMCO INSTITUTE OF TECHNOLOGY

RAJAPALAYAM

(Approved by AICTE, Affiliated to Anna University Chennai)

Department of Computer Science and Engineering

RIT/Academic/CSE/PA & QIC-III/2020-21/

Date: 27.07.2021

The minutes of the meeting of the Program Assessment and Quality Improvement Committee-III Meeting for the Department of Computer Science and Engineering

The convener conducted a meeting with the Department PA & QIC members on 12.07.2021 at 03.00 PM in online (Googlemeet) and discussed the following points

Members present

Sl.No	PA& QIC	Designation and Department
1	Dr. KVijayalakshmi	Professor and Head Department of CSE Ramco Institute of Technology, Rajapalayam
2	Dr.M.Kaliappan	Professor Department of CSE Ramco Institute of Technology, Rajapalayam
3	Mr.R.Venkatesh	Assistant Professor(SG) Department of CSE Ramco Institute of Technology Rajapalayam
4	Mrs.M.SwarnaSudha	Assistant Professor(SG) Department of CSE Ramco Institute of Technology, Rajapalayam
5	Mr.B.Kannan	Assistant Professor(SG) Department of ECE Ramco Institute of Technology, Rajapalayam
6	Dr.P.Sureshkumar	Associate Professor Department of Mechanical Engineering, Ramco Institute of Technology, Rajapalayam
7	Dr. R. Naganathan	Assistant Professor Department of English Ramco Institute of Technology, Rajapalayam
8	Mr.T.Chockalingam	Assistant Professor Department of Civil Ramco Institute of Technology, Rajapalayam
9	Mr.E.Thangam	Assistant Professor(SG) Department of EEE Ramco Institute of Technology, Rajapalayam

Sl.No.	Points discussed	Target Date	Responsibility
1	Convener Dr.K.Vijayalakshmi welcomed the PA& QIC members and reiterated the agenda of the meeting.	-	-
2	The following agendas are discussed and presented by faculty members		

RAMCO INSTITUTE OF TECHNOLOGY

RAJAPALAYAM

(Approved by AICTE, Affiliated to Anna University Chennai)

Department of Computer Science and Engineering

RIT/Academic/CSE/PA & QIC-III/2020-21/

Date: 27.07.2021

The minutes of the meeting of the Program Assessment and Quality Improvement Committee-III Meeting for the Department of Computer Science and Engineering

	<ul style="list-style-type: none">• Review of previous meeting (2nd PA & QIC-II)- The queries were raised in last meeting for the Review of TLP, Course Outcomes and Programme Outcomes, Placement, Stake Holder Feedback, Placement and Faculty Participants were discussed with Action Taken by Dr.S.Vimal• Result Analysis for the 2019- 20 (Even) & 2020-21(Odd) were presented by Mrs.B.Vijayalakshmi• Co-Po Mapping, Curricular Gap identification, Review of Stake Holders Feedback and Faculty Participation details were presented by Ms.Jothithilaga• Teaching and Learning Process & Student Support Systems by Mrs.S.Swarna Sudha & Ms.P.Jothi Thilaga.• Project Review and Assessment is presented by Mrs.N.Nithya• Attainment of CO,PO and PSOs is presented by Mr.Yogaraja• Student Industrial Trainings/ Internship by Mrs.N.Nithya• Institute Industry Interaction and its Implementation- MOUs by Dr.M.Gomathynayagam• Placement Training and Employer Feedback is presented by Mrs.S.SwarnaSudha• Professional Societies and Technical Association is delivered by Mr Vignesh Saravanan• Student Participation In Co curricular And Extra Curricular Activities is delivered by Mr. K.Vigneshsaravanan• Online Courses is presented by Dr.V.Anusuya• EDC-IIC Reports and NISP Progress by Mr.Yogaraja• Department Research activites is done by Dr.S.Vimal• Alumni Associations and Interactions is presented by Ms.G.Sakthipriya• Any other matters	Continuous	HOD and All faculties
3	Meeting has been declared open for inviting suggestions for enhance the program assessment	-	-
4	Dr.P.Suresh Kumar Suggested that	Continuous	HOD and All faculties

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Department of Computer Science and Engineering

RIT/Academic/CSE/PA & QIC-III/2020-21/

Date: 27.07.2021

The minutes of the meeting of the Program Assessment and Quality Improvement Committee-III Meeting for the Department of Computer Science and Engineering

<p>Result Analysis:</p> <ul style="list-style-type: none">• GPA below 6 should be given more analysis• Bright Students may be provided with Case Study. <p>Curricular Gap identification:</p> <p>Domain Groupings may be done for the relevant subjects</p> <p>Attainment of CO,PO and PSOs:</p> <ul style="list-style-type: none">• Project Individual mapping of PO and PSO mapping to be done.• Total PO attainment and Gap bridged should be analysed. <p>Teaching Learning Process :</p> <p>Some new innovations should be included in teaching - learning .For all the practice impact can be included.</p> <p>Institute Industry Interaction and its Implementation- MOUs</p> <ul style="list-style-type: none">• MoU outcomes should be more focused.• Interdisciplinary project (10 to 15%) may be considered for Final Year project. <p>EDC-IIC Reports</p> <ul style="list-style-type: none">• Depart wise Data should be kept record• Feedback Analysis to be done.• Outcome should be analyzed <p>Mr.E.Thangam Suggested that</p> <p>Placement :</p> <ul style="list-style-type: none">• Barchart Representations to be done.• Categorisation of students to be shown <p>Attainment of CO,PO and PSOs:</p> <ul style="list-style-type: none">• Suggested to include PO weightage calculation for projects also.• Mini Project analysis also to be included <p>Internship/Industrial Training - Impact analysis</p> <p>Presented Impact analysis for 2019-2020 and 2020-2021 (odd) - For Dr Suresh Kumar Clarity.</p>		
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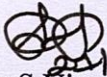
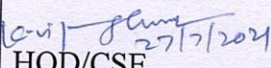

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Department of Computer Science and Engineering

RIT/Academic/CSE/PA & QIC-III/2020-21/

Date: 27.07.2021

The minutes of the meeting of the Program Assessment and Quality Improvement Committee-III Meeting for the Department of Computer Science and Engineering

	Mr.Kannan Suggested that <ul style="list-style-type: none">• More Events can be planned student coordinators.• Insisted to frame the subject groupings in domain wise and also special interest group may be referred for those groupings from professional bodies.		
5	Any other Matters: Dr.Naganathan suggested that <ul style="list-style-type: none">• Comprehensive Skills may be improved• Communication Skill improvement practice to be done.	Continuous	HOD and All faculties
6	The Meeting Ended with Vote Of Thanks delivered by Mr.Venkatesh	-	-
Prepared by  27/7/2021 Dr.S. Vimal, AP(SG)/CSE		Recommended by  27/7/2021 HOD/CSE	Approved by  31/7/21 Principal

Copy to: 1) All Members
2) File



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 2020 – 2021

Minutes of Meeting – 3rd Program Assessment & Quality Improvement Committee (PA&QIC)

Date of Meeting : 07.08.2021 (Saturday)
Time of Meeting : 9:30 AM to 2:30 PM
Reference : RIT/EEE/PA&QIC/03
Google Meet Link : <https://meet.google.com/iqx-xoxa-zdu>

Members Present:

Sl. No.	Name of the Faculty Member	Designation	PAQIC
1.	Dr. S. Kannan	Professor / EEE	Convener
2.	Dr. K. Karthikeyan	Associate Professor / EEE	Member
3.	Mr. D. Karthik Prabhu	AP(SG) / EEE	Member
4.	Mr. N. Ganesh	AP (SG) / EEE	Member
5.	Mrs. C. Subha	AP (SG) / Civil	Member
6.	Dr. M. Gomathynayagam	Associate Professor / CSE	Member
7.	Mrs. G. Gnanapriya	AP (SG) / ECE	Member
8.	Mr. J. Jerold John Britto	AP(SG) / Mechanical	Member
9.	Dr. T. Vigneshwari	AP (SG) / Physics	Member
10.	Mr. E. Thangam	AP (SG) / EEE	Representative
11.	Mr. S. Meenakshi Sundaravel	AP (SG) / EEE	Representative
12.	Mr. A. Arun Kumar	AP / EEE	Representative
13.	Mr. A. S. Vigneshwar	AP / EEE	Representative
14.	Mrs. S. Jeyanthi	AP / EEE	Representative
15.	Ms. S. Sharmila Kumari	AP / EEE	Representative
16.	Mrs. G. Sivapriya	AP / EEE	Representative
17.	Mr. A. Guna	AP / EEE	Representative

The agenda of the meeting

1. Review of Previous meeting – 2nd PA&QIC
2. Result analysis of 2019-2020 Even Semester & 2020-2021 Odd Semester
3. Program Curriculum and Teaching and Learning Process
4. Attainment of COs, POs, PSOs with program effectiveness (2019-2020)
5. Institute – Industry Interactions and its impact
6. Training and Placement Progress & Career Guidance Cell activities
7. Professional Societies and Technical Association: Participants and its inference
8. Internship & In-Plant Training
9. EDC, IIC and NISP Progress
10. Faculty participations / performance
11. Laboratory utilization with respect to OBE
12. Alumni Association Interactions
13. Continuous Improvements
14. Stakeholders Feedback and analysis: Students/Parents/Alumni/Recruiters
15. Any other matters

1. REVIEW OF PREVIOUS MEETING (2ND PA&QIC)

Presenter: Dr. K. Karthikeyan, ASCP/EEE

The contents discussed during the 2nd PAQIC meeting, suggestions given by the members and actions taken for those suggestions are presented under the following various headings.

- Teaching & Learning Practiced
- Result Analysis
- Assessment Methods, Attainment of CO, PO, PSO
- Virtual Lab Utilization
- Training & Placement
- Internship and IPT
- Professional Societies and Association
- Faculty Participation
- Project Proposal/ Research Publication
- Additional Lab
- EDC, IIC and Patents
- Quality improvement
- Stakeholder feedback

Suggestions given by the members

- In the actions taken by the department, wherever possible quantitative data can be provided.
- Each and every criteria presentation, the quantitative data has been provided.
- In addition to summary, some additional information can be given.
- The outcome of the FDP attended by the faculty can be shared with the other faculty members and students.

- The virtual laboratory has been applied for the two courses, but not has been selected and hence it has not been developed.

Contents Presented	Members Suggestions	Action Taken
Teaching & Learning Practiced	Ensure the effective use of LMS	All faculty and students are using CANVAS LMS. Course Analytics can be taken and kept it in course file.
	Online course knowledge should be disseminated to the students	Faculty has included online course questions in the assignment
	Update the innovative practices periodically.	Updated in the course file. Needs to be updated in the website.
	Rubrics can be formed for transparent evaluation	Rubrics has been developed and circulated to student before the evaluation
	Share the Outcome of FDP with dept. faculty members	Planned to do this activity in forthcoming semesters
	Identification of curriculum gap and fulfillment of the same	Identified curriculum gap has been documented in course file and addressed in the content delivery

Karthikeyan K

2. RESULT ANALYSIS OF 2019-2020 EVEN SEMESTER AND 2020-2021 ODD SEMESTER

Presenter: Mr. N. Ganesh, AP(SG)/EEE

- Presented the Grade Analysis of End Semester Examination 2019 – 2020 Even Sem II Semester, IV Semester and VI Semester B.E. EEE.
- Presented the Grade Analysis of End Semester Examination 2020 – 2021 Odd Sem I Semester, III Semester and V Semester and VII Semester B.E. EEE.
- Presented the reasons/remarks for the low pass percentage in the different subjects and also the overall pass percentage of the respective class.

Suggestions from the members:

- Members suggested planning corrective actions to improve the Average Grade Point (AGP) for the subjects with low pass percentage (less than 90 percent).
- Members suggested that the corrective action plan will help to attain the target level of Program Outcomes(POs) for those subjects with low pass percentage.
- Members asked about method of obtaining the reasons/remarks from the students.
- Members were explained in detail the process of obtaining the reasons/remarks from the individual students.

**RESULT ANALYSIS OF END SEMESTER
EXAMINATION Nov/Dec 2020
I Semester B.E. EEE**

Overall Pass: 20/26 Overall Pass Percentage: 76.92%

Sl.No	Course Code & Title	Name of the Faculty Member	No. of Appeared	No. of Pass	No. of Fail	Result (%)	O	A+	A	B+	B	U	Average Grade Point
1	HS8151 Communicative English	Dr. M. Anish Alfred Vaz	26	26	0	100%	0	3	11	8	4	0	7.50
2	MA8151 Engineering Mathematics - I	Mr. K. Subramanian	26	25	1	96.15%	0	0	0	6	19	1	6.00
3	PH8151 Engineering Physics	Dr. K. Jeyapappa	26	21	5	80.77%	0	0	0	1	20	5	4.88
4	CY8151 Engineering Chemistry	Dr. O. Senthilkumar	26	25	1	96.15%	1	7	7	7	3	1	7.54
5	GE8151 Problem Solving and Python Programming	Ms. G. Sakthi Priya	25	24	1	96%	1	6	11	2	4	1	7.60
6	GE8152 Engineering Graphics	Mr. T. Selvasundar	26	25	1	96.15%	0	5	7	8	5	1	7.19
7	GE8161 Problem Solving and Python Programming Lab	Ms. G. Sakthi Priya	26	26	0	100%	13	7	6	0	0	0	9.27
8	BS8161 Physics and Chemistry Lab	Dr. K. Jeyapappa & Dr. G. Kanthimathi	26	26	0	100%	3	12	4	4	3	0	8.81

3. PROGRAM CURRICULUM, TEACHING AND LEARNING PROCESS

Presenter: Mrs. S. Jeyanthi, AP/EEE

Curriculum Gap Identification:

- The curriculum gap identification process was explained. For the same the department courses were divided in to three broad domains and domain coordinators were nominated.
- The domain wise meeting was conducted by the domain in charges and the faculty members were allotted with courses to identify the curriculum gap.
- The identified gaps were submitted to Anna University. The gap identification was course specific as well as curriculum specific.
- The sample of the identified curriculum gaps sent to Anna University has been presented in the slides.
- The curriculum gaps were sent to University Centre for Academic Courses in following aspects: (i) Addition of curricular content (ii) References to be included in the existing curriculum as well as for the proposed curriculum (iii) Rearrangement of courses in the curriculum to meet pre-requisites and (iv) Suggestion of new courses to cater the needs of industrial demands.

Content beyond Syllabus:

- It was decided in all the domain meetings to address the curriculum gap identified by planning content beyond syllabus in the respective courses and the same has to be mapped with corresponding POs, PSOs.
- The sample content beyond syllabus conducted by the faculty member for AY2020-21 has been presented in the meeting.
- The Anna University approved value added course on “Industrial Automation using PLC and SCADA” has been planned for our students to bridge the curricular gap identified.

Innovative Practices followed:

- The innovative practices followed in different courses were presented. Few sample practices are usage of virtual laboratory, Think-pair-share, Experiential learning and self-learning Assignments, and Industrial problem statement Assignment.

Actions taken for slow and bright learners:

- It was presented that the special classes have been conducted for the slow learners and the bright learners are encouraged to pursue online courses.

Feedback form for teaching and learning process:

- The sample feedback form for the faculty has been presented in the meeting.

Question paper quality improvement:

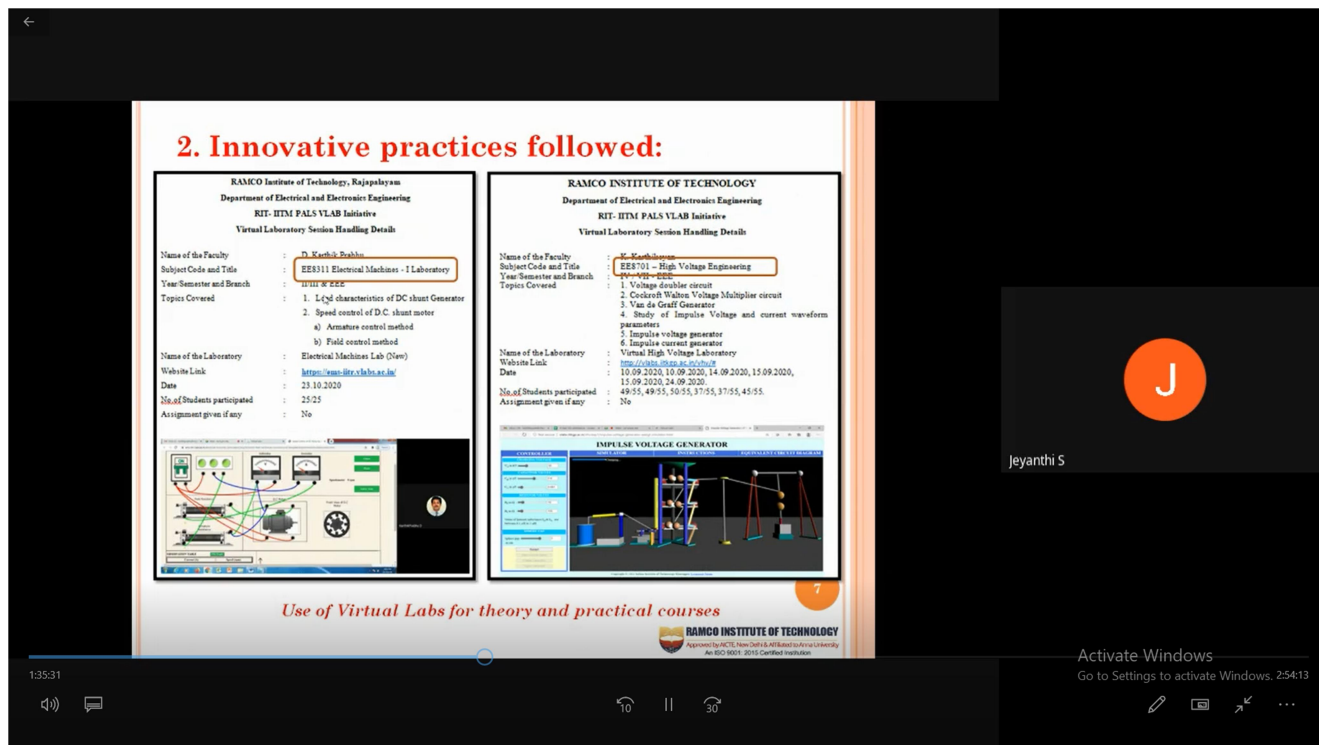
- It was presented that the quality of question papers for internal assessment tests are verified in two levels: (i) internal review by the Head of the department for all the subjects and (ii) centralized review by the external experts for few random subjects.
- The samples of suggestions given for the improving the quality of the question paper has been presented in the meeting.

Project review and assessment:

- The project assessment criteria and review process has been presented in the meeting.

Suggestions given by the members

1. Curriculum gap has been identified by the faculty member as well as from the alumni feedback. The external stakeholder's feedback also can be taken for identifying the curriculum feedback.
2. The domain wise and subject wise curriculum gap can be identified using Alumni, Academicians, Industrial persons, and Final year students.
3. The core industry based value added courses can be given to the students. It will help the students to get placement in core industries.
4. Separate discussion may be given on Outcome of Value added courses and Innovative practices.
5. Try to measure the outcome of slow learners after conducting special classes.
6. Modern tool usage can be implemented for all subjects.
7. Few implementation proofs after getting feedback from students can be presented
8. Online simulation tools like MATLAB Software can be used for making the students to understand the concepts.



4. ATTAINMENT OF COs, POs, PSO_s WITH PROGRAM EFFECTIVENESS (2019-20)

Presenter: Mr. A. Guna, AP/EEE

The points presented in the 3rd PAQIC meeting are as follows,

- a. Assessment methods practiced in the last academic year.

Direct	Indirect
Internal Assessment Test 1,2,3, Assignment Quiz, Course Exit Survey	Alumni Exit survey, Program Exit survey

- b. Course Exit Survey is newly included in the Academic year 2019 – 20.
10% weightage has been given to Course Exit Survey for calculating Course outcome for the individual courses.

- c. Target Setting Procedure for CO Attainment – R 2013

Batch	Target Attainment
2013-2017 (AGPA ₁) – R13	1.5 for Theory Courses & 2 for Laboratory Courses/Projects
2014-2018 (AGPA ₂) – R13	Maximum of ((AGPA ₁ × 0.3), 1.5)
2015-2019 (AGPA ₃) – R13	Maximum of $\left(\left(\frac{AGPA_1 + AGPA_2}{2} \right) \times 0.3, (AGPA_2 \times 0.3) \right)$

2016-2020 (AGPA₄) – R13	Maximum of $\left(\left(\frac{(AGPA_1 + AGPA_2 + AGPA_3)}{3} \right) \times 0.3, (AGPA_3 \times 0.3) \right)$
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d. Target Setting Procedure for CO Attainment – R 2017

Batch	Target Attainment
2017-2021 (AGPA₁) – R17	1.8 for Theory Courses & 2 for Laboratory Courses/Projects
2018-2022 (AGPA₂) – R17	Maximum of $((AGPA_1 \times 0.3), 1.8)$
2019-2023 (AGPA₃) – R17	Maximum of $\left(\left(\frac{(AGPA_1 + AGPA_2)}{2} \right) \times 0.3, (AGPA_2 \times 0.3) \right)$
2020-2024 (AGPA₄) – R17	Maximum of $\left(\left(\frac{(AGPA_1 + AGPA_2 + AGPA_3)}{3} \right) \times 0.3, (AGPA_3 \times 0.3) \right)$

e. Details of not attained courses – R 2013

Batch	Details of not attained courses
2013-2017	<ul style="list-style-type: none"> • CY6151 Engineering Chemistry – I • HS6251 Technical English – II • MA6251 Mathematics – II • CY6251 Engineering Chemistry – II • EE6201 Circuit Theory • MA6351 Transforms and Partial Differential Equations • EE6301 Digital Logic Circuits • EE6302 Electromagnetic Theory • GE6351 Environmental Science and Engineering • EC6202 Electronic Devices and Circuits • EE6303 Linear Integrated Circuits and Applications • MA6459 Numerical Methods • EE6401 Electrical Machines – I • CS6456 Object Oriented Programming • EE6402 Transmission and Distribution • EE6403 Discrete Time Systems and Signal Processing • EE6404 Measurements and Instrumentation • EE6502 Microprocessors and Microcontrollers • EE6503 Power Electronics
2014-2018	<ul style="list-style-type: none"> • GE6152 Engineering Graphics • MA6351 Transforms and Partial Differential Equations • EE6301 Digital Logic Circuits

	<ul style="list-style-type: none"> • EE6302 Electromagnetic Theory • EC6202 Electronic Devices and Circuits • EE6303 Linear Integrated Circuits and Applications • CS6456 Object Oriented Programming
2015-2019	<ul style="list-style-type: none"> • GE6263 Computer Programming Laboratory • EE6311 Linear and Digital Integrated Circuits Laboratory • CS6461 Object Oriented Programming Laboratory
2016-2020	<ul style="list-style-type: none"> • GE6151 Computer Programming • EE6211 Electric Circuits Laboratory • EE6311 Linear and Digital Integrated Circuits Laboratory

f. Details of not attained courses – R 2017

Batch	Details of not attained courses
2017-2021 up to VI semester	<ul style="list-style-type: none"> • MA8353 Transforms and Partial Differential Equations • EE8391 Electromagnetic Theory • EE8301 Electrical Machines – I • EC8353 Electron Devices and Circuits
2018-2022 up to IV semester	<ul style="list-style-type: none"> • MA8151 Engineering Mathematics – I • PH8253 Physics for Electronics Engineering
2019-2023 up to II Semester	-

g. Details of CO-PO Mapping for the batch 2013-2017, 2014-2018, 2015-2019, 2016-2020

PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Map.	2.6	2.0	1.8	1.5	1.6	2.0	1.9	1.2	2.2	1.5	1.7	1.5

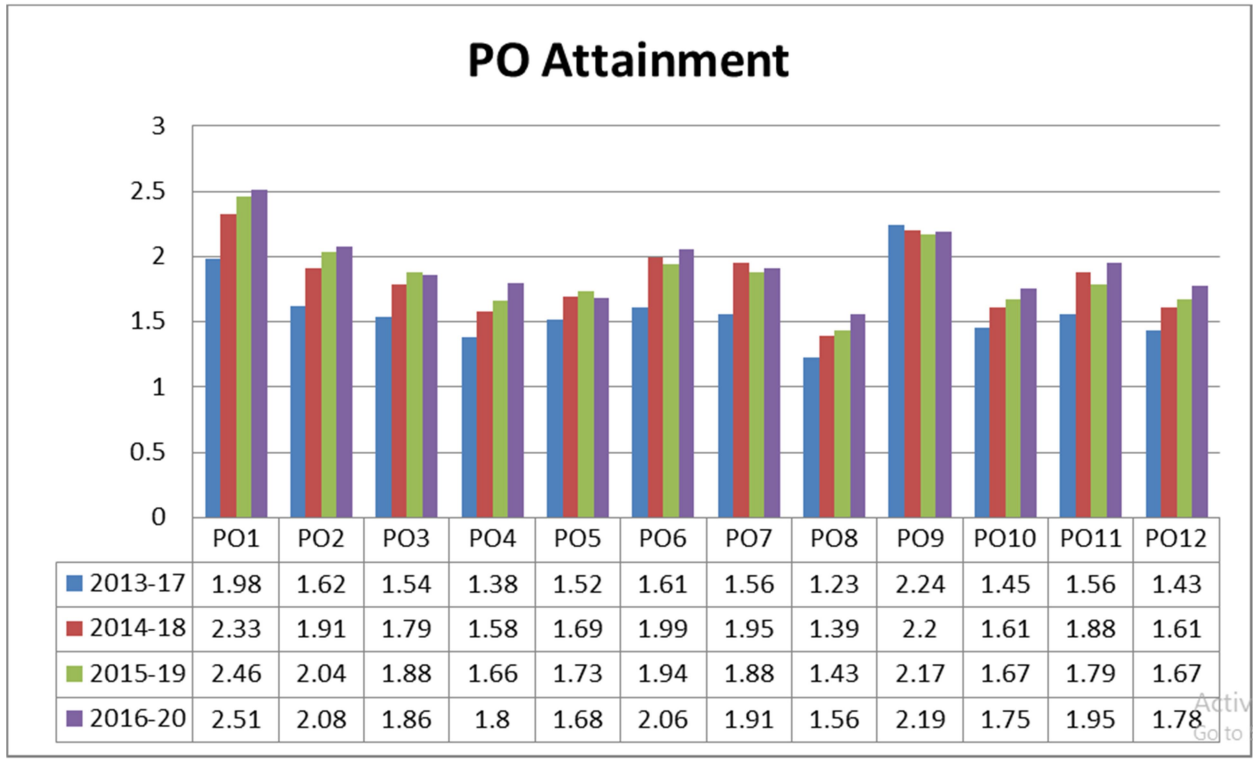
h. Details of CO-PSO Mapping for the batch 2013-2017, 2014-2018, 2015-2019, 2016-2020

PSO	PSO1	PSO2	PSO3	PSO4
Map.	2.0	1.7	1.6	1.4

i. Target Setting Procedure for PO & PSO Attainment – R 2013

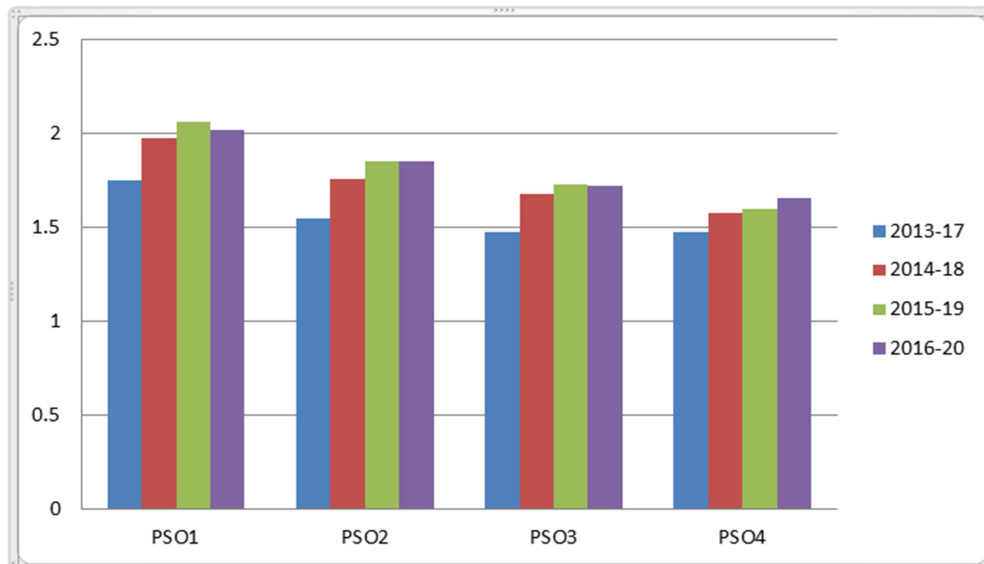
Batch	PO / PSO Target
2013-2017	1.5
2014-2018	1.6
2015-2019	1.7
2016-2020	1.8

j. Details of PO Attainment



k. Details of PSO Attainment

BATCH	PSO ATTAINMENT			
	PSO1	PSO2	PSO3	PSO4
2013-2017	1.75	1.55	1.48	1.48
2014-2018	1.98	1.76	1.68	1.58
2015-2019	2.06	1.85	1.73	1.60
2016-2020	2.02	1.85	1.72	1.66



CO-PO-PSO : Assessment Tools

PSO1
Model and analyze the performance of Electrical Machines, Control and Instrumentation systems and Power and Power Electronic systems.

PSO2
Design the hardware and software requirements for the development of Electrical drives and Industrial Automation systems.

PSO3
Provide socially acceptable technical solutions to complex electrical engineering problems with the application of modern and appropriate techniques for sustainable development.

PSO4
Apply the knowledge of ethical standards and management principles required to work in a team

Course Outcome (CO)

- > 5 course outcomes for each course
- > Index number assigned Example: C402 for Protection and Switch gear
- > Tools
 - Direct Assessment – Internal Assessment Test, Assignments, Tutorial, Model Exam (Lab courses), Project reviews.
 - University examination.
 - Indirect Assessment – Course exit survey

Program Outcome (PO)/ Program Specific Outcomes (PSO)

- > CO-PO Mapping, CO-PSO mapping
- > Tools
 - Direct Assessment – CO attainment
 - Indirect Assessment – Program Exit Survey, Alumni feedback

5. INDUSTRY INSTITUTE INTERACTIONS AND ITS IMPACT & INTERNSHIP AND IN-PLANT TRAINING

Presenter: Mr. E. Thangam, AP (SG) / EEE

i. Industry Institute Interactions and its Impact

a) Industry Institute Interactions Lecture conducted in the academic year 2021-2022

S.No	Name of the Resource Person & Address	Program Name	Date & Duration
1.	Mr. Harisankar KSB Electrical Engineer Sidel India Pvt Ltd Gurgoan, India	Huge career opportunities for EEE Students	06.08.2021 1 hour 30 minutes
2.	Aiswarya V Analyst / Software Engineer Capgemini, Bangalore	C language Training to the students	26.07.2021, 27.07.2021, 29.07.2021 3 days
3.	Mr. S. Pon athipan Assistant System Engineer TCS, Chennai	Industry Lecture on “TCS Interview Experience and Selection Process”	25.12.2020 2 hours 30 minutes
4.	Mr. V. Roshan Assistant Manager – E&I The Ramco Cements Limited Andhrapradesh	Industry Lecture on “Energy Conservation Activities in Industry Premises”	04.10.2020 3 hours
5.	Mr. R. Muthu Vijaya Kumar Byjus, Bangalore	How to Crack Aptitude	22.12.2020 3 hours

6.	Mr. K. V. Vinoth Kumar, Contracts Manager – Fuels and Lubricants Value Chain, ExxonMobil India Private Ltd, Bangalore	Guest lecture on “Design Thinking and Innovation”	29.08.2020 (2 hours)
7.	Mr. N. Pothirasan, Director Hasan Medicare, Rajapalayam	Projects and Guidelines for MSME Project Proposal	11.10.2020 (2 hours)
8.	Mr. A. Mohamed Sameer, Senior Engineer, Plant Maintenance, Rane NSK (P) Ltd, Chennai.	Session Chair (Industry Expert) National Web Conference on Challenges and Innovation in Engineering and Technology - 2021	19.03.2021 (2 hours)
9.	Ms. K. Muthu Priya Dharshini, Byjus, Bangalore	Empower Employment training programme on How to Crack Aptitude	29.12.2020 (2 hours)
10.	Mr. R. Muthu Vijaya Kumar Byjus, Bangalore	How to Crack Aptitude	22.12.2020 3 hours
11.	Mr. R. Muthu Vijaya Kumar Byjus, Bangalore	Empower Employment training programme on How to Crack Aptitude	06.01.2021 (2 hours)
12.	Mr. V. Roshan, Assistant Manager –E&I The Ramco Cements Limited, Andhra Pradesh.	Session Chair (Industry Expert) National Web Conference on Challenges and Innovation in Engineering and Technology - 2021	19.03.2021 (2 hours)
13.	Mr. G. Chandru, System Engineer, Data Patterns India (P) Ltd, Chennai	Session Chair (Industry Expert) National Web Conference on Challenges and Innovation in Engineering and Technology - 2021	20.03.2021 (2 hours)
14.	Mr. J. Jeyavigneshkumar, Design Engineer, Ford Motor Company (P) Ltd, Chennai	Session Chair (Industry Expert) National Web Conference on Challenges and Innovation in Engineering and Technology - 2021	20.03.2021 (2 hours)
15.	Dr. N. Pothirasan, Director, Hashan Medicare, Rjpm.	Project Reviewer – External	17.03.2021, 22.02.2020 2 days
16.	Mr. Ragupathi Muthu Director, Minniyal Pvt Ltd, Krishnankoil	Project Reviewer – External	22.02.2020 1 day

17.	Mr.M.Murali Kumar, Engineer, Data Patterns India Pvt., Ltd., Chennai	Webinar on the topic Digital Electronics	20.09.2020 2 hours
18.	Mr. A. Govindasamy, SMTS, AMD, Bangalore Mr.N. Pothirasan, Hashan Medicare	Webinar on “Industry Institute Interaction on Microprocessor Challenge”	30.08.2020 3 hours
19.	Mr. M.Jaganathan, Quality Assurance Engineer, Oracle India Private Limited, Bangalore	Webinar on “How to face an Interview and Technical requirement for different IT job portfolio”	23.08.2020 3 hours
20.	Mr. Senthil Ramachandran, Senior Director, Capgemini, Bangalore	Webinar on “Applied AI and Machine Learning use cases for Enterprises”	13.06.2020 2 hours
21.	M. K. Kumaresan, Network Consultant, CISCO systems, Bangalore,	Webinar on “Digital Transformation”	03.06.2020 1 hour 30 minutes
22.	Mr. P. Prem Kumar, Test Engineer, Tessolve Semiconductor Pvt Ltd, Bangalore	Webinar on “Overview of IC Fabrication Cycle and Basics of Post Silicon Validation”	08.06.2020 1 hour 30 minutes
23.	Ms. Jothi Sekaran, Senior Project Manager HP R&D, Bangalore	Software Qualification as a career	09.06.2020 2 hours
24.	Mr.Ganesh Narayanan, Accenture, Singapore	Cyber Security	11.06.2020 2 hours

b) EEE Department MoU's with 24 Industries

- Ramco Group of Textile Division, Rajapalayam
- Gowri House Metal Works, Rajapalayam
- Minniyal Private Limited, Krishnankoil
- Dynamic TEK, Chennai.
- MEDSBY Healthcare AND Engineering Solutions, Coimbatore.
- TVS training and services, Chennai.
- Ramco Cements Ltd., Chennai.
- Ramco systems Ltd., Chennai.
- Ramco Industries Ltd., Chennai.
- TCSion, Chennai.
- M.S. Chellamuthu Trust, Madurai
- Enthu Technology Solutions India Private Limited, Coimbatore
- Crystal Delta, Chennai
- Geons Logix

- Tessolve Semiconductor Pvt. Ltd., Bangalore
- NI Systems Private Limited, Bangalore
- Imarticus Learning Pvt Ltd
- Great Learning
- Aravind Herbal
- Eureka education group
- V-Invent Chemilab Private Limited, Rajapalayam
- Raja Nursery Garden, Rajapalayam.
- TRY CAE
- Skill Shark

c. Impact Analysis

S.No.	Name of the Company	Impacts
1.	Tessolve Semiconductor Pvt. Ltd., Bangalore	5 students got placed in Tessolve semiconductors Pvt Ltd, Banglore (2014-2018 – 1 student), (2015-2019 – 1 student), (2016-2020 – 1 student), (2017-2021 – 2 Students)
2.	The Ramco Cements Ltd., Chennai	10 students got placed in Ramco Cements Limited (2013-2017 – 1 student) (2014-2018 – 3 students) (2015-2019 – 3 students) (2016-2020 – 3 students)
3.	Minniyal Private Limited, Krishnankoil	8 students have completed their final projects
4.	Ramco systems Ltd., Chennai	20 students placed in Ramco Systems, Chennai (2013-2017 – 1 student) (2014-2018 – 9 student) (2015-2019 -7 students) (2016-2020 – 3 students)
5.	Ramco Group of Textile Division, Rajapalayam	5 students placed in Ramco group textile division (2013-2017 – 5 students), (2016-2020 – 1 student) Display Equipment are being used for taking demonstration classes
6.	MEDSBY Healthcare AND Engineering Solutions, Coimbatore	Students are allowed to attend the 3D printing classes in the medsby 3D printer
7.	Enthu Technology Solutions India Private Limited, Coimbatore	Industrial Visit - 55 students have underwent Industrial visit to Enthi technologies, Bangalore
8.	NI Systems Private Limited, Bangalore	CLAD Training - Intensive training is being given to the students to get CLAD certificate by NI Labview
9.	V-Invent Chemilab Private Limited, Rajapalayam	Industry Projects - we are working for a project called automatic wall painting

d. Industry Supported Laboratories

- NI Lab view Academy - Year of Establishment - 2015
- Tessolve Semiconductor Test Engineering Laboratory - Year of Establishment – 2017
- RIT MEDSBY Innovation Centre - Year of Establishment - 2019
- e-yantra Laboratory - Year of Establishment – 2019
- Rajapalayam Mills Limited supported Renewable Energy Sources Laboratory - Year of Establishment – 2020

c. Initiatives – Mentoring by Industry Alumni**Batch: 2018-2022**

S. No.	Reg.No	Name of the Student	Mentor from Alumni
1.	953618105001	AJEETHA A M Ph.No: 6374313513	Mrs. T. Saahithya (2013-2017) Software Developer, TCS, Chennai Ph.No: 8870640917
2.	953618105002	ARAVINDH M Ph.No: 9360775762	Mr. M. Selvamani (2013-2017) Software testing, Amazon Services Chennai Ph.No: 9003814855
3.	953618105003	DIVYAJEYASHREE V Ph.No: 6384021047	Ms. G. Yashaswini (2016-2020) Software Engineer, Aspire Systems (India) Pvt Ltd, Chennai Ph.No: 8838784471
4.	953618105004	GOVINDARAJ M Ph.No: 7305367833	Mr. M. Selvamani (2013-2017) Software testing, Amazon Services Chennai Ph.No: 9003814855
5.	953618105005	HARIHARAN G Ph No: 8300326101	Mr. Mohankumar K (2013-2017) Software Engineer, Techmahindra, Bangalore Ph.No: 7418902531
6.	953618105006	HARI RAM M Ph.No: 7550384625	Mr. A. Athmanathan (2013-2017) Software Integration Engineer Stellantis Pvt. Ltd, Chennai Ph.No: 9443821677
7.	953618105007	HEMANTH N Ph.No: 9344608885	Mr. Mohankumar K (2013-2017) Software Engineer, Techmahindra, Bangalore Ph.No: 7418902531
8.	953618105008	JEYA KRISHNA B Ph.No: 9360021962	Mr. M. Thangavelpandi (2014-2018) Assistant Manager, The Ramco Cements Limited, Andhra Pradesh. Ph.No: 8760594306
9.	953618105009	JEYASRI NIVETHA R Ph.No: 6381154922	Ms. G. Yashaswini (2016-2020) Software Engineer, Aspire Systems (India) Pvt Ltd, Chennai Ph.No: 8838784471
10.	953618105010	KEERTHANA S Ph.No: 6383319294	Ms. G. Yashaswini (2016-2020) Software Engineer, Aspire Systems (India) Pvt Ltd, Chennai Ph.No: 8838784471
11.	953618105011	KRITHIKA P Ph.No: 6382455629	Mrs. T. Saahithya (2013-2017) Software Developer, TCS, Chennai Ph.No: 8870640917
12.	953618105012	LAKSHMI M Ph.No: 6369066714	Ms. Aishwarya (2016-2020) Analyst/ Software Engineer Cape Gemini Ph.No: 9940692772
13.	953618105013	MANI KANDAN S Ph.No: 7339596261	Mr. A. Mohamed Sameer (2014-2018) Senior Engineer, Plant Maintenance, Rane NSK (P) Ltd, Chennai.

			Ph.No: 9944191668
14.	953618105014	MOHAMED HAJI ALI M Ph.No: 9003650213	Mr. J. Jeyavigneshkumar (2014-2018) Design Engineer, Ford Motor Company (P) Ltd, Chennai Ph.No: 9514332534
15.	953618105015	MUTHU KRISHNAN S Ph.No: 9629727605	Mr. V. Roshan, (2014-2018) Assistant Manager –E&I The Ramco Cements Limited, Andhra Pradesh. Ph.No: 9655789167
16.	953618105016	MUTHU RANI M M	Ms. A. Harishmaa, (2015-19) Infosys, Chennai Ph.No: 7904968458
17.	953618105017	NANDA KUMAR B	Mr. R. A. Nijanthan Raja, (2015-19) TCS, Bangaluru Ph.No:8489262026
18.	953618105018	RAJAKEERTHANA J	Ms. A. Harishmaa, (2015-19) Infosys, Chennai Ph.No: 7904968458
19.	953618105019	RAKESHKANNAN R	Mr. M. Muralikumar, (2013-2017) Data Patterns, Chennai Ph.No: 9715605917
20.	953618105020	ROHINI M I	Ms. G. Muthulakshmi, (2015-19) TCS, Chennai Ph.No: 9943722031
21.	953618105022	SATHYA K	Mr. S. Pon Athiban, (2015-19) TCS, Chennai Ph.No: 8056829040
22.	953618105023	SENTHILKUMAR S	Mr. M. Muralikumar, Data Patterns, Chennai (2013-2017 batch)
23.	953618105024	SOLAI PRIYADHARSHINI A	Ms. G. Muthulakshmi, (2015-19) TCS, Chennai Ph.No: 9943722031
24.	953618105025	SRI VARSHINI T	Ms. R. Vasumathi, (2015-19) Studying M.E. in PSG Tech, Coimbatore Ph.No: 9025971602
25.	953618105026	UGESH V R	Mr. S. Pon Athiban, (2015-19) TCS, Chennai Ph.No: 8056829040
26.	953618105027	VISHNURAM P	Mr. V. Roshan, (2014-2018) Ramco Cements, Andrapradesh, Ph.No: 9655789167
27.	953618105301	MUTHUGANESAN S	Mr. R. Radhkrishnan, (2014-2018) Voltech Engineering, Chennai Ph.No: 8220108788
28.	953618105302	RAJ KUMAR R	Dr. Prem Kumar, Power System Consultant, Gulf country, Mr. R. Radhkrishnan, (2014- 2018), Voltech Engineering, Chennai Ph.No: 8220108788

29.	953618105303	VINODH S	Mr. R. Dinesh Kumar, (2014-2018) Shiyam Infotech, Chennai Ph.No: 6383397953
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ii. Industrial Training / Internship

As per Anna University Regulation 2017, Clause 4.5

- The students may undergo Industrial training for a period as specified in the Curriculum during summer / winter vacation. In this case the training has to be undergone continuously for the entire period.
- The students may undergo Internship at Research organization / University (after due approval from the Department Consultative Committee) for the period prescribed in the curriculum during summer / winter vacation, in lieu of Industrial training.

a. Department Consultative Committee Members

S.No	Name of the Faculty member	Designation	Position
1.	Dr.S. Kannan, Ph.D.	Professor and Head (EEE)	Head
2.	Dr. K. Karthikeyan, Ph.D.	Associate Professor/EEE	Member
3.	Mr. D. Karthik Prabhu, M.E	Assistant Professor (Sr.Gr) / EEE	Member
4.	Mr. E. Thangam, , M.E	Assistant Professor (Sr.Gr) / EEE	IPT & Internship In-charge
5.	Mr. S . Meenakshi Sundaravel, M.E	Assistant Professor (Sr.Gr) / EEE	Member

b. Industrial Training / Internship Progress as on 2020-2021 Academic Year

Sl. No	Batch	Class Strength	No of Students Underwent Industrial Training	No of Students satisfied the University requirement*
1.	2017-2021	55	55	55
2.	2018-2022	29	28	12
3.	2019-2023	33	05	05
* - As per university requirement, all the students shall undergo a minimum of 2 weeks Industrial Training				

Suggestions given by the members

- Improve the participants of the students in Internship.
- The students can be encouraged to do internship in MoU signed companies.
- The number of virtual internship opportunities are available and the students can be encouraged to do such virtual internship.
- The RIT power house can be approached for one-week Internship for our students.
- Mentors are requested to encourage their students to do Internship.

The screenshot shows a Google Meet interface with a presentation slide titled "Industry Institute Interactions". The slide contains a table with the following data:

S.No	Name of the Resource Person & Address	Program Name	Date & Duration
1.	Mr. Harisankar KSB Electrical Engineer Sidel India Pvt Ltd Gurgoan, India	Huge career opportunities for EEE Students	06.08.2021 1 hour 30 minutes
2.	Aiswarya V Analyst / Software Engineer Capgemini, Bangalore	C language Training to the students	26.07.2021, 27.07.2021, 29.07.2021 3 days
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5.	Mr. R. Muthu Vijaya Kumar Byjus, Bangalore	How to Crack Aptitude	22.12.2020 2 hours 30 minutes

The meeting interface also shows a grid of participants including ETHANGAM, Guna A, Gnana Priya G, GOMATHY NAYAGAM M, Jerold John Britto J, KannanSubramanian S, and You. The system tray at the bottom indicates the time is 1:21 PM on 8/7/2021.

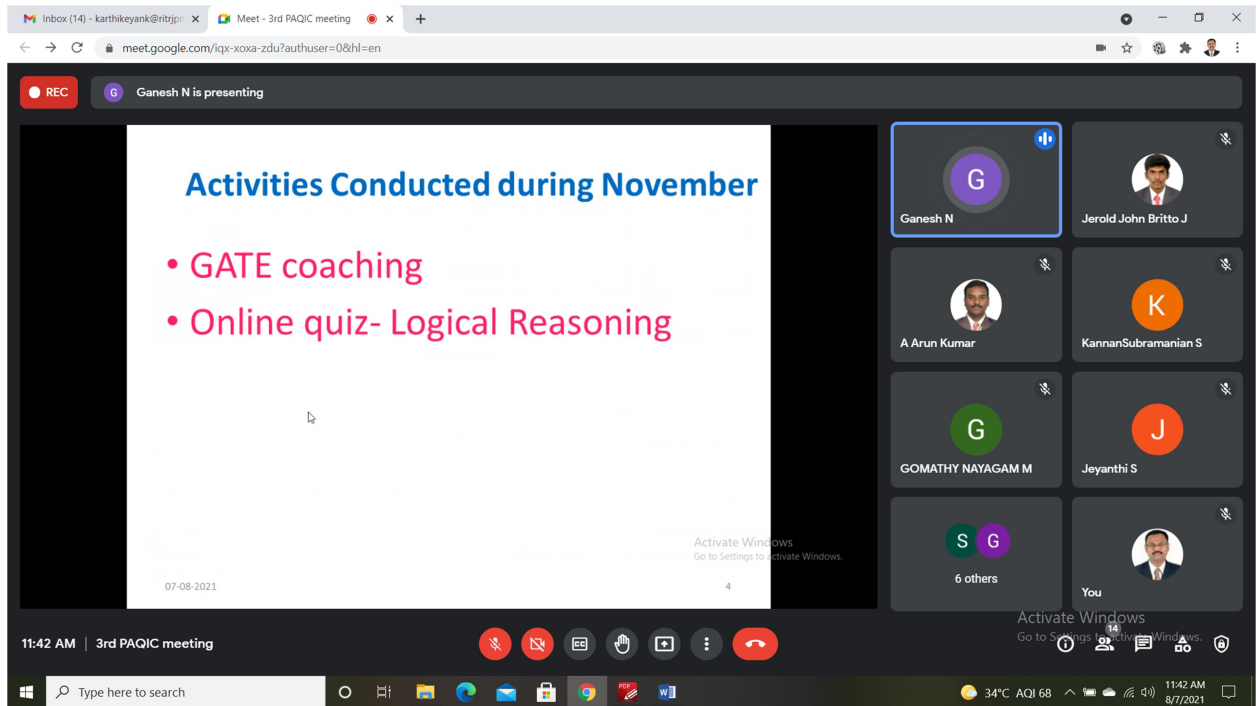
6. CAREER GUIDANCE CELL

Presenter: Mr. N. Ganesh, AP(SG)/EEE

- Presented the Quality Objectives of Career Guidance Cell (CGC), members of CGC, activities conducted such as GATE coaching, Online quiz- Logical Reasoning, an Awareness program titled "How to Face TNPSC Group 1 Exam", a webinar titled "Design Thinking – An Interdisciplinary Domain" and a webinar titled "Huge Opportunities and Emerging Newer Scope for all Core Branch Talented Engineers in India".
- Explained the reasons for the programs which were planned but not conducted such as webinar on "Diversified Career Opportunities in Government and Private sectors" and Japanese Language Training for the students.

Suggestions from the members:

- Members suggested giving the details of the student who have cleared State/ National/ International level examination (NET/SET/GATE/ GMAT/CAT/GRE/TOFEL/ Civil Services/ State Government Services).
- Members asked the members of Career Guidance Cell to conduct programs to support the Training and Placement Cell.
- Members asked about the functions of Career Guidance Cell (CGC).



7. PROFESSIONAL SOCIETIES AND TECHNICAL ASSOCIATION: PARTICIPANTS AND ITS INFERENCE

Presenter: Mr. A. Arun Kumar, AP/EEE

- The co-curricular activities carried out during this academic year has been presented.
- The number of activities conducted by professional society IE(I) and IEEE are 29 and 12 respectively.
- The student technical association has conducted 6 events.
- The various type of activities has been conducted namely technical webinar, photographic contest, technical quiz, Industry interaction, Guest lecture, Memes contest, Workshop, Poster competition, group discussion and alumni interaction etc.
- The number of students benefitted from each society event has also been included in the slides.

Suggestion by the members

- The report has to be prepared with PO for each event so that it can be used for future PO attainment.
- The PO corresponding event can be included in the slides.
- Suggested that number of students benefitted from each society should be included in final summary table.
- The college level societies for ISTE participations also can be included in the slides.
- The IUCEE, IITM PALS activities can be presented as a special case.
- Each society can plan separate events and repeated events can be avoided in the future.
- The feedback for the events given by the students can be analyzed.

The screenshot shows a Google Meet interface. The main content is a presentation slide titled "IEEE 2020-2021" with a table of activities. The table has five columns: S. No, Title of Programme, Duration, Resource Person, and Participants. The activities listed are: 1. Inauguration Function (29.08.2020, 90 participants), 2. Industry Institute Interaction on "Microprocessor Challenge 2020" (30.08.2020, 15 participants), 3. Technical Quiz on "Fundamentals of Electronics" (15.09.2020, 26 participants), and 4. Webinar on "Digital Electronics" (20.09.2020, 31 participants). The resource persons are Mr. K.V. Vinoth Kumar, Mr. A. Govindasamy, and Mr. M. Murali Kumar. The slide number 8 is visible at the bottom right. On the right side of the screen, there is a grid of participant avatars, including A Arun Kumar, Jeyanthi S, Gnana Priya G, KannanSubramanian S, Jerald John Britto J, GOMATHY NAYAGAM M, and 6 others. The bottom of the screen shows the Windows taskbar with the time 11:30 AM and date 8/7/2021.

S. No	Title of Programme	Duration	Resource Person	Participants
1.	Inauguration Function	29.08.2020	Mr.K.V.Vinoth Kumar, Contract manager - Fuels and Lubricants Value Chain, ExxonMobil India Pvt. Ltd., Bangalore	90
2.	Industry Institute Interaction on "Microprocessor Challenge 2020"	30.08.2020	Mr.A.Govindasamy, SMTS, AMD, Bangalore and Mr. N. Pothirasan, Hasan Medicare, Rajapalayam	15
3.	Technical Quiz on "Fundamentals of Electronics"	15.09.2020	-	26
4.	Webinar on "Digital Electronics"	20.09.2020	Mr. M. Murali Kumar, Engineer-Firmware Design and Development, Data Patterns India Private Limited, Chennai.	31

8. EDC, IIC & NISP

Presenter: Mrs. G. Sivapriya, AP/EEE

- The details of the patent filed, ED cell & Institution Innovation Council activities and NISP progress has been presented.
- One patent has been granted and five patents has been published.
- The college level ED cell activities has been presented along with our students and faculty members participation.
- The details of the faculty and student participation in IIC activities has been presented.
- The establishment of NISP and its activities are presented.

Suggestions given by the members

- The student participation in the technical contest has been included in the slides.
- The hackathon events can be included in the slides along with event results.
- Encourage students to participate in more number of activities in future.
- The department participations only can be included in the presentation; the college level participations can be avoided.
- The faculty and student participation counts can be included in the presentation.
- The outcome of the completed events can be analyzed and included in the presentation.

Sl. No	Date	Name of the Event	Resource Person
1	06.06.2021	Funding Opportunities for Aspiring Entrepreneurs	Mr.M.Siva Baarathi, Field coordinator, AURCT – IEDPHUB, Tirunelveli & Mr Sam Jai Kumar, Field coordinator, AURCT – IEDPHUB, Coimbatore
2	30.03.2021	Webinar On Green	Dr.S Francisca Bose, Retd. Research Director, St. Ignatius College of Education
3	11.01.2021	"Innovative toy and games ideas from experts"	Thiru Arvind Gupta, Innovator of toys from waste
4	16.10.2020 to 17.10.2020	Case Studies in Deep Learning – Hands-on Session using Google Co-Lab	Mr. S. Valai Ganesh, AP/Mech, Mr. K. Amudhan, AP/Mech, Mr. R. Deiva Nayagam, AP/ECE
5	27.10.2020	Project to Patents	Mr G Prabu ram, AP(SG)/Mech
6	15.12.2020	Orientation on AITAT Ranking of Institutions on Innovation Achievement to HoD's and Department In-charges of RIT-IIC	Mr.R.Arun Kumar, AP/Mech, Convener – RIT IIC
7	29.12.2020	My Story – Motivational Talk	Dr.R.Nishanth, CEO & Founder, XYMA Analytics Pvt., Ltd.

9. FACULTY PARTICIPATION AND PERFORMANCE

Presenter: Mr. D. Karthik Prabhu, AP(SG)/EEE

- Presented the faculty cadre ration, student faculty ratio, faculty publication and research proposal submission, patent details and awards applied details for the academic year 2020-2021
- Program participation is categorized into FDP, STTP, ATAL course, workshop, IITM PALS, IUCEE webinar, certification courses, training program and briefed the online course completion by the faculty and appearance as resource person in the events

Remarks from Members:

- Members suggested to refer the guidelines given by AICTE, NAAC and NBA for student's faculty ratio and maintain accordingly.
- Members insisted for applying awards can be improved. At least for the awards one batch can be applied for both students and faculty category.
- Members asked to include the comments received during the Faculty performance appraisal.
- Members suggested to compare the participation by the faculty members for the last two academic years for analyzing the improvement.
- Members suggested to create a simple mechanism to track the faculty participants so that all the participation will come into account.

The screenshot shows a Google Meet interface with a presentation slide titled "Faculty Participation Details". The slide contains a table with the following data:

S. No.	Type of Participation	No. of Faculty Members Participated	No. of Participation
1.	FDTPs	9	11
2.	STTPs	6	8
3.	ATAL Courses	12	26
4.	Workshops	7	9
5.	Webinars	12	143
6.	Certification Courses	11	19
7.	Resource Persons	5	9
8.	Online Courses	12	72
9.	Conferences	1	1
10.	Virtual Industrial Visit	1	1
11.	IUCEE Course	2	2

Below the table, the text "PAQIC - III" is visible. The meeting interface also shows a grid of participant avatars, including KarthikPrabhu D, A Arun Kumar, Jerold John Britto J, KannanSubramanian S, Ganesh N, GOMATHY NAYAGAM M, and a group of 6 others. The system tray at the bottom indicates the time is 12:31 PM on 8/7/2021, with a temperature of 35°C and weather of Partly sunny.

10. LABORATORY UTILIZATION BASED ON OBE

Presenter: Mr. S. Meenakshi Sundaravel, AP(SG)/EEE

- Students have utilized PLC/SCADA for doing their project work. (No. of students benefited: 12)
- Received approval for Rs. 2 Lakhs to procure 10 numbers of PLC (Siemens made) for providing industrial training to the students.
- NI LabVIEW Training program with Internship, Project and CLAD certification have been conducted for Final year students of EEE, ECE and Mechanical from 22.02.2021 to 14.05.2021.
- Training has been given to 10 Students in LGLiteATE kit at Tessolve Semiconductor Test Engineering Laboratory and out of which 2 students got placed in Tessolve Semiconductor Industry, Bengaluru.
- Power Quality Analyser have been utilized while conducting regular practical classes.
- Arduino boards, Raspberry Pi boards and various sensors and tools have been utilized by the students for doing their Mini and Major project works.

Suggestions by the Expert Members

- The PO mapping for the laboratory utilization can be done.
- The record for the laboratory utilization can be created.

Control and Instrumentation Laboratory:

PLC/SCADA

- Students have utilized PLC/SCADA for doing their project work. (No. of students benefited: 12)



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11. ALUMNI ASSOCIATION INTERACTIONS

Presenter: Dr. K. Karthikeyan, ASCP / EEE

- Presented the summary list of alumni interactions happened in the academic year 2020-21. There were totally 12 number of alumni interactions in various categories such as technical webinar sessions, industry lectures, quantitative aptitude sessions and conference session chairs.
- Presented the list of alumni meet planned and conducted during the academic year 2020-21. For first four passed out batches (2013-17, 2014-18, 2015-19 & 2016-20), the alumni meet had been conducted.
- The feedback provided by the alumni during those four alumni meet has been discussed in detail under various improvement areas namely additional courses, awareness programs for higher studies, career guidance, entrepreneurship and foreign languages, placement training, software training, aptitude training, and conducting webinar for thrust areas.
- The support provided by the alumni for various departmental activities are discussed and it is appreciated.
- The efforts taken by the alumni association at college level has been disseminated to the members.

Suggestions by PAQIC members:

- Enhance the frequency of Alumni meet and alumni interactions.
- Track the current status of the alumni periodically and maintain the proper database.
- Share the content discussed with the Alumni to all the current students and faculty members.

FEEDBACK RECEIVED FROM ALUMNI

8. Placements:

- Categorize students according to their interest like software and core industry and training should be given.
- Students should have profile in Naukri and LinkedIn which will help to get more connections with recruiters and HR
- Compulsory subject wise mini projects to the students, which will be easier for the students to face the interview comfortably.
- More Core companies can be invited for placement drives
- Students should undergo Internship at various companies during their course of study. It will help them in understanding the needs of the industry irrespective of any domain.

3rd PAQIC meeting (2021-08-06 at 21_05 GMT-7)

32146

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12. CONTINUOUS IMPROVEMENT

Presenter: Mr. A. S. Vigneshwar, AP/EEE

- Presented the academic audit process and actions taken thereof during the period of assessment: from 26.09.2020 to 17.07.2021 and presented external audit (Annual surveillance dated: 29.01.2021) comments for scope for improvements.
- Discussed the actions taken by the department to address the comments given by the external audit members and its implementation & effectiveness. (Table 12.1)
- Presented ISO form refinement (TG 01 – Annual performance appraisal form) and its effectiveness towards teaching – learning process such as improvements in innovation & Teaching (Theory & Practical), improvements in teaching performance, more tangible outcomes in project work, Curricular gap/ Content beyond the syllabus plan, improvements in activities that contribute in student success, mentoring effectiveness, R&D activities improvement and more extract from Industry interaction & MoU's
- Presented placement index improvement in 2019-20 (78%) & 2020-21 (98%) and compared with last three years. (Annexure 12.2)

Suggestions by PAQIC members:

- ✓ The number of students pursuing the higher studies and entrepreneurship has to be listed in the presentation slides.
- ✓ Any outcome from the project can be included in the presentation slides.
- ✓ Record the shortfalls (from various stakeholders) in previous year and analyze the reasons
- ✓ Report PO's/PSO's attainment of value added courses, Extracurricular and co-curricular activities
- ✓ Identify low PO's/PSO's attainment courses and plan for corrective actions
- ✓ Analyze the high attainment courses and record good practices followed by the respective faculty members for further improvements.

Table 12.1 Audit comments and its effectiveness

Audit date	Type of audit	Scope for improvement	Actions taken for Implementation	Effectiveness
29.01.2021	External audit (Annual surveillance)	Effectiveness of review process in class & laboratory delivery / Mentor system (Ref: Ext audit minutes Sl.No 2)	Mentoring system is reviewed during DRM	Students performance improved in online platforms.
		Procedural part – documents incorporated in the system wherever possible (Ref: Ext audit minutes Sl.No 8)	All the faculty members created Canvas LMS for their respective subject.	All the subject materials are kept and posted in Canvas LMS and ready for quick access by the students.
		Improvement potential – To change the structure of department (Ref: Ext audit minutes Sl.No 1b)	<ul style="list-style-type: none"> ➤ Nomination of dept. academic coordinators is done ➤ Nomination of dept. Placement in charge is done 	<ul style="list-style-type: none"> ✓ Strengthen Teaching – Learning process ✓ Improvement in placements & easy follow up ✓ Continuous dept. growth in all fields
		Lesson plan with micro level planning (Ref: Ext audit minutes Sl.No 5)	<ul style="list-style-type: none"> ➤ To plan micro level planning ➤ Usage of LMS 	<ul style="list-style-type: none"> ✓ Improved TL process ✓ 360⁰ learning environment

Table 12.2 Placement Index

Items	2013-17	2014-18	2015-19	2016-20	2017-21
Total No. of Final year Students	69	71	66	56	55
Number of students gave willingness for Placement	-	68	63	49	47
No. of Students Placed	33	53	45	38	46
Higher Studies	4	2	4	3	Yet to be finalized
Entrepreneur	3	4	3	1	Yet to be finalized

Audit date	Type of audit	Scope for improvement	Actions taken for Implementation	Effectiveness
29.01.2021	External audit (Annual surveillance)	Effectiveness of review process in class & laboratory delivery / Mentor system (Ref: Ext audit minutes SLNo 2)	Mentoring system is reviewed during DRM	Students performance improved in online platforms.
		Procedural part – documents incorporated in the system wherever possible (Ref: Ext audit minutes SLNo 8)	All the faculty members created Canvas LMS for their respective subject.	All the subject materials are kept and posted in Canvas LMS and ready for quick access by the students.
		Improvement potential – To change the structure of department (Ref: Ext audit minutes SLNo 1b)	<ul style="list-style-type: none"> Nomination of dept. academic coordinators is done Nomination of dept. Placement in charge is done 	<ul style="list-style-type: none"> Strengthen Teaching – Learning process Improvement in placements & easy follow up Continuous dept. growth in all fields
		Lesson plan with micro level planning (Ref: Ext audit minutes SLNo 5)	<ul style="list-style-type: none"> To plan micro level planning Usage of LMS 	<ul style="list-style-type: none"> Improved TL process 360° learning environment

13. Stakeholders Feedback and analysis: Students/Parents/Alumni/Recruiters

Presenter: Mrs. G. Sivapriya, AP/EEE

- The modes of feedback collection from the various stakeholders have been discussed.
- The feedback given by the students on teaching learning process has been analyzed and the actions taken by the department faculty members to improve the quality of the content delivery have been discussed.
- The alumni feedback has been analyzed and the improvement points given by the Alumni and the remedial actions have been shared in the presentation slides.
- The parent's feedback and the expectations from the department have been shared and the actions taken thereof also discussed.
- The recruiter's feedback for our department alumni has been presented along with the initiatives taken for improving the placement is discussed.

Particulars	Details	Action taken
Inplant Training	Domain specific Industry training	Every semester end student are going to industry
Faculty Hostel Visit	Coaching and clearing subject doubt in hostel	Faculty hostel schedule has been prepared for monitoring study hour in hostel every month
Skill Development	Competitive Exam coaching	GATE Coaching class was arranged form GATE Forum Department faculties are also taking class for GATE Exam
Extracurricular Activities	Yoga Training Camp	Yoga Trainings were conducted during International Yoga Day
Learning	Special Class and Bridge courses arranged for Mathematics	Special class and Bridge courses were conducted by Mathematics department
Teaching and Learning Process	Excellent Teaching and Learning Process	Using ICT Tools, Collaborative and active learning Techniques
Result	University Exam Result send through Mail or SMS	Last semester university exam result was sent to parent through SMS

Suggestions from the members

- The curriculum gap can be identified with the help of the stakeholder's feedback.
- The professional society feedback on the curriculum can be obtained for identifying the gap.

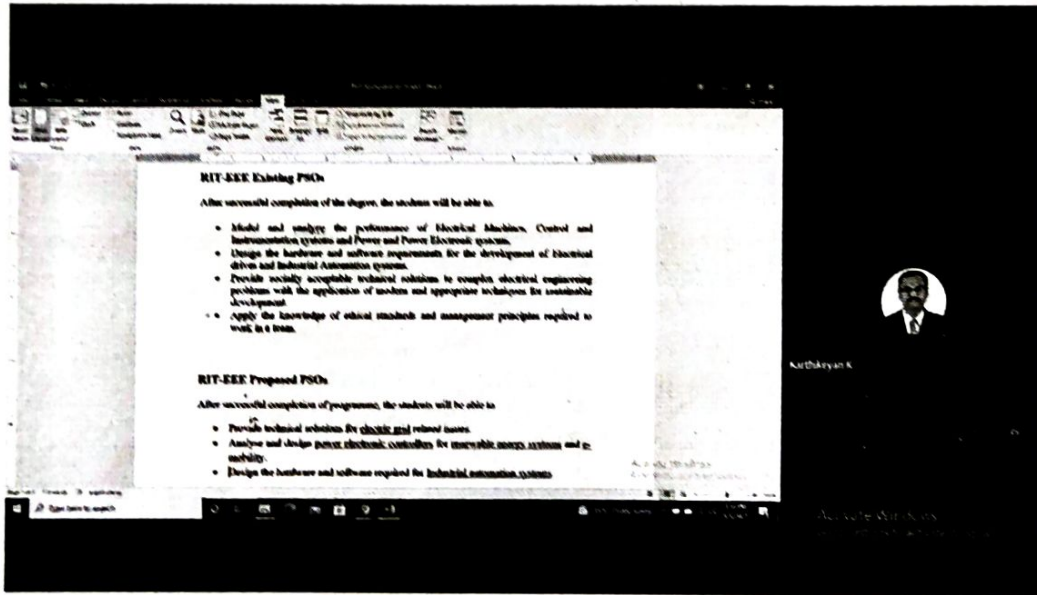
14. Discussion about the changes in PSO

Presenter: K. Karthikeyan, ASCP/EEE

- The NBA peer visit team members have suggested revising the PSOs, since it is not specific to the programme and it is a combination of various POs.
- The various stakeholders' feedback on PSOs is invited by faculty members. As per suggestions received from the college NBA coordinator / our Vice-Principal Sir, the inputs from the Alumni and recruiters are mainly considered for the revision of PSOs.
- The revision of PSOs has been done established on the main thrust areas of the electrical engineering and the expertise available with the department (Power System / Power Electronics / Industrial automation).
- The revised PSOs are put forth to the committee members for their suggestions and the suggestions have been recorded for the changes / modifications.

Suggestions from the members:

- The revised PSOs are too specific with the affiliated curriculum it will be very difficult to achieve the PSO attainment.
- The electronics parts of the curriculum must be taken care in the PSO revision.
- The suggested PSOs are narrow down to particular topics and hence it may be difficult for CO-PSO mapping.
- The domain specific PSOs can be formulated for the better attainment.



6.  25/01/22
Prepared by
(K. Karthikeyan)

6.  25/01/22
NBA Coordinator/EEE
(K. Karthikeyan)

S. Karthikeyan
25/01/2022
Reviewed by
(HoD/EEE)

 25/1/22
Approved by
Principal

RAMCO INSTITUTE OF TECHNOLOGY
Department of Electronics and Communication Engineering
Academic Year 2020-2021

Ref.:RIT/ECE/PA&QIC/02

Date: 29.09.2020

Circular

The 2nd Program Assessment & Quality Improvement Committee Meeting to review the progress of Academic Year 2019-20 is planned on **06.10.2020 (Tuesday)** from **03.00PM to 05.30PM** at ECE Seminar Hall. All PA&QIC members and other Faculty Members are invited to attend the meeting. The agenda for the meeting is listed below,

S.No.	Topics to Present	Faculty Incharge	Time
1	Review of Previous Meeting (1 st PA&QIC)	Dr.B.DeepaLakshmi	03.00 – 03.10PM
2	Teaching and Learning Methods Practiced	Mrs.R.Chitra	03.10 – 03.20PM
3	Odd and Even Semester Result Analysis	Mrs.R.Chitra	03.20 – 03.30PM
4	Assessment Methods, Attainment of Cos, POs, with program effectiveness	Mr.A.RameshBabu	03.30 – 03.50PM
5	Utilization of Virtual Laboratory	Mr.B.Kannan	03.50 – 04.00PM
6	Training and Placement progress with Feedback from Recruiters & Employers	Mr.A.Azhagu Jaisudhan Pazhani	04.00 – 04.10PM
7	Report on Professional Societies and RIT- Electronica (Program Activities and Status)	Mr.K.Ragavan	04.10 – 04.20PM
8	Internship and In-Plant Training Reports	Mr.D.Gopinath	04.20 – 04.30PM
9	Students participations in Co-Curricular and Extra-Curricular Activities.	Mrs.V.SrirenaNatchiyar & Mr.R.Deiva Nayagam	04.30 – 04.40PM
10	Faculty Participations	Mrs.S.Jeeva	04.40 – 04.45PM
11	Project proposals and research publications	Mr.G.Sivakumar	04.45 – 04.55PM
12	Establishment of Additional Laboratory	Mr.P.Venkatesh	04.55 – 05.00PM
13	EDC, IIC & Patent Reports	Mr.P.Gunasekaran	05.00 – 05.10PM
14	Documentation of Activities leading to quality Improvement	Mrs.G.Gnanapriya	05.10 – 05.15PM
15	Review of Stakeholders Feedback: Students/Parents/Alumni	Mrs.R.Ramalakshmi	05.15 – 05.20PM
16	Any other matters		05.20 – 05.30PM

 29/9/2020
HOD/ECE

 29/9/20
Vice Principal

 29/9/20
Principal

Copy to,


- 1) All PA&QIC Members and Faculty Members through mail
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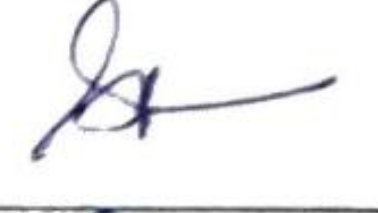
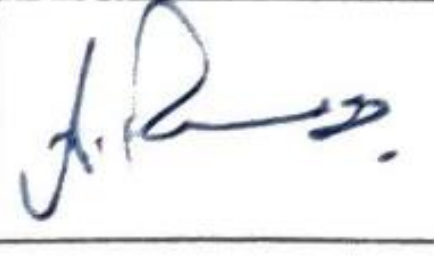

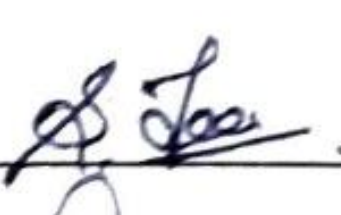
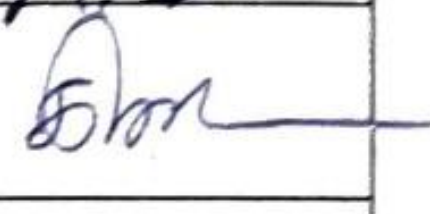
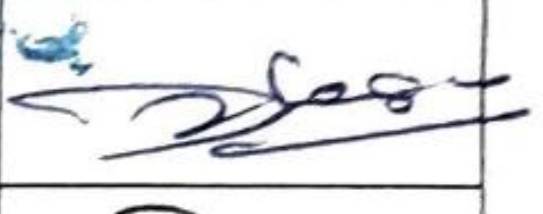
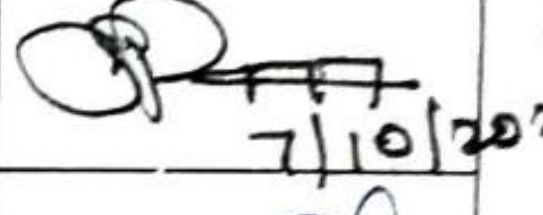

RAMCO INSTITUTE OF TECHNOLOGY
Department of Electronics and Communication Engineering


Attendance for Program Assessment and Quality Improvement Committee Meeting-II

Date: 07.10.2020

Sl. No.	Name of the Members and Faculty	Designation	Organization/Institute	Signature
1.	V. SIVAKUMAR	ASCP / Mech	Ramco Institute of Tech.	V. Sivasubramanian
2.	A. S. Vigneshwar	AP / EEE	Ramco Institute of Tech.	A. S. Vigneshwar
3.	Dr. L. Sathikala	ASCP / Maths	Ramco Institute of Tech.	L. Sathikala
4.	B. Vijayalakshmi	AP(SG)/CSE	Ramco Institute of Tech.	B. Vijayalakshmi
5.	D. Darling Helen Lydia	AP / CIVIL	Ramco Institute of Technology	D. Darling Helen Lydia
6.	B. KANNAN	AP (Sr. Gr.)	Ramco Institute of Tech.	B. Kannan 7/10/20
7.	G. SIVAKUMAR	AP	Ramco Institute of Tech.	G. Sivasubramanian
8.	S. Vijay Kumar	AP	Ramco Institute of Tech.	S. Vijay Kumar 7/10/20
9.	R. Chitra	AP	Ramco Institute of Tech.	R. Chitra 7/10/20
10.	R. DIVYA	AP	Ramco Institute of Technology	R. Divya 7/10/20
11.	V. Sriyanga Naahiyal	AP(SG)	Ramco Institute of Technology	V. Sriyanga Naahiyal
12.	R. RAMALAKSHMI	AP	RAMCO INSTITUTE OF TECHNOLOGY	R. Ramalakshmi 7/10/20
13.	D. GOPINATH	AP	Ramco Institute of Technology	D. Gopinath 7/10/20
14.	R. DEIVA NAYAGAM	AP	Ramco Institute of Technology	R. Deiva Nayagam 7/10/20
15.	B. Deepa Lakshmi	ASCP / ECE	Ramco Institute of Technology	B. Deepa Lakshmi 7/10/2020


HOD 7/10/2020

Sl. No.	Name of the Faculty	Designation	Organization/Institute	Signature
16.	M. Sangeetha	AP/ECE	Ramco Institute of Technology	
17.	A. Rameshbabu	AP/ECE	Ramco Institute of Technology	
18.	P. Gunasekaran	AP/ECE	Ramco Institute of Technology	
19.	S. JEEVA	AP/ECE	Ramco Institute of Technology	
20.	K. Ragavan	AP/ECE	Ramco Institute of Technology	
21.	A. Azhagu Jee Sudhan P. 21/10/20	AP(SG)/ECE	Ramco Institute of Technology	
22.	S. Periyamayagi	Prof. /ECE	Ramco Institute of Technology	 7/10/2020
23.	G. GNANA PRIYA	AP(SG)/ECE	Ramco Institute of Technology	 9/07/20
24.				
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7/10/2020
HOD

RAMCO INSTITUTE OF TECHNOLOGY

RAJAPALAYAM

(Approved by AICTE, Affiliated to Anna University Chennai)

Department of Electronics and Communication Engineering

Ref.: RIT/Academic/ECE/PA&QIC/2020-2021/01

Date: 07.10.2020

The minutes of the 2nd Program Assessment and Quality Improvement Committee Meeting

The convener conducted a meeting with the Program Assessment and quality Improvement Committee members on 07.10.2020 at 11.30 AM in the ECE seminar hall and discussed the following points.

Members Present

Sl.No	PA&QIC members	Designation and Company
1	Dr.S.Periyanayagi	Professor and Head Department of ECE Ramco Institute of Technology Rajapalayam
2	Dr.B.DeepaLakshmi	Associate Professor Department of ECE Ramco Institute of Technology Rajapalayam
3	Mr.K.Ragavan	Assistant Professor (SG) Department of ECE Ramco Institute of Technology Rajapalayam
4	Mr.A.Azhagu Jaisudhan Pazhani	Assistant Professor (SG) Department of ECE Ramco Institute of Technology Rajapalayam
5	Mrs.D.Darling Helen Lydia	Assistant Professor Department of Civil Engineering Ramco Institute of Technology Rajapalayam
6	Mrs.B.Vijayalakshmi	Associate Professor (SG) Department of CSE, Ramco Institute of Technology, Rajapalayam
7	Mr. A.S.Vigneshwar	Assistant Professor Department of EEE Ramco Institute of Technology Rajapalayam
8	Dr.V.Sivakumar	Associate Professor Department of Mechanical Engineering Ramco Institute of Technology Rajapalayam
9	Dr.L.Sathikala	Associate Professor Department of Mathematics Ramco Institute of Technology Rajapalayam


27/10/2020



RAMCO INSTITUTE OF TECHNOLOGY

RAJAPALAYAM

(Approved by AICTE, Affiliated to Anna University Chennai)

Department of Electronics and Communication Engineering

Ref.: RIT/Academic/ECE/PA&QIC/2020-2021/01

Date: 07.10.2020

The minutes of the 2nd Program Assessment and Quality Improvement Committee Meeting

Sl.No.	Points discussed	Target Date	Responsibility
	<p>Discussed the following agendas</p> <ul style="list-style-type: none">• Review of Previous Meeting (1st PA&QIC)• Teaching and Learning Methods Practiced• Odd and Even Semester Result Analysis• Assessment Methods, Attainment of COs, POs, with program effectiveness• Utilization of Virtual Laboratory• Training and Placement progress with Feedback from Recruiters & Employers• Report on Professional Societies and RIT-Electronica (Program Activities and Status)• Internship and In-Plant Training Reports• Student's participations in Co-Curricular and Extra-Curricular Activities.• Faculty Participations• Project proposals and research publications• Establishment of Additional Laboratory• EDC, IIC & Patent Reports• Documentation of Activities leading to quality Improvement.• Review of Stakeholders Feedback: Students/Parents/Alumni• Any other matters	-	-
1.	<ul style="list-style-type: none">• Mr.A.Azhagu Jaisudhan Pazhani AP (SG)/ECE welcomed the PA&QIC members for the second meeting and reiterated the agenda of the meeting.	-	-
2.	<ul style="list-style-type: none">• Dr.B.Deepa Lakshmi Associate Professor/ECE discussed about the review of previous PA&QIC Meeting and explained the action taken for PA&QIC I meeting Comments.• She briefed the process followed in evolving the Vision, Mission, Program Educational Objectives (PEO) and Program Specific Outcomes (PSO). She also presented the correlation of department Vision and Mission with	IV Week of October	Dr.B.Deepa Lakshmi

RAMCO INSTITUTE OF TECHNOLOGY

RAJAPALAYAM

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Department of Electronics and Communication Engineering

Ref.: RIT/Academic/ECE/PA&QIC/2020-2021/01

Date: 07.10.2020

The minutes of the 2nd Program Assessment and Quality Improvement Committee Meeting

	<p>institute Vision and Mission statement and process of dissemination and publication of Vision, Mission, and PSO statements.</p> <ul style="list-style-type: none">Members enquired about the status of minutes of PA&QIC I in RIT website.		
3.	<ul style="list-style-type: none">Mrs.R.Chitra AP/ECE described the program effectiveness, process followed to improve quality of Teaching-Learning process, methodologies to support weak students and encourage bright students and Student feedback of teaching learning process and actions taken. She also presented the Odd and Even Semester Result Analysis for the academic year 2019-2020 and also stated the reason for producing lower results in some subjects.Members advised to identify the ICT tools for theory and laboratory courses.	Feb 2021	Mrs.R.Chitra
4.	<ul style="list-style-type: none">Mr.A.Rameshbabu AP/ECE presented the attainment level of POs and PSOs and action taken for the last academic year. (2019-2020). He also collected the course exit survey for indirect assessment.Mr.A.S.Vigneshwar suggested that employer's survey and recruiter survey would be considered as an indirect assessment for the next academic year.	May 2021	Mr.A.Rameshbabu
5.	<ul style="list-style-type: none">Mr.B.Kannan AP(SG)/ECE presented the Utilization of Virtual Laboratory for theory and laboratory subjects and also discussed about event organized and experiments conducted for the academic year 2019-2020. He also shared virtual laboratory plan for the academic year 2020-2021. He briefed the tools available link for virtual laboratory.The PA&QIC members enquired about utilization of virtual laboratory is possible for all subjects and suggested to prepare the consolidated utilizations report.	Feb 2021	Mr.B.Kannan

RAMCO INSTITUTE OF TECHNOLOGY

RAJAPALAYAM

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Department of Electronics and Communication Engineering

Ref.: RIT/Academic/ECE/PA&QIC/2020-2021/01

Date: 07.10.2020

The minutes of the 2nd Program Assessment and Quality Improvement Committee Meeting

6.	<ul style="list-style-type: none">Mr.A.Azhagu Jaisudhan Pazhani AP(SG)/ECE discussed the placed student details and company invited for on campus and off campus. He also presented the training provided for the batch 2016-2020 for placement and action taken for feedback from Recruiters & Employers. He also briefed the mock interview panel members such as Placement officer, English Faculty, Technical Faculty and Alumni from industry details. He described about the procedure of technical discussion during placement hour and special technical training provided to students about specific company oriented.Dr.V.Sivakumar suggested to include the company name wise recruiter feedback for improving the quality of students in various domains.	March 2021	Mr.A.Azhagu Jaisudhan Pazhani
7.	<ul style="list-style-type: none">Mr.K.Ragavan AP(SG)/ECE described activities of professional societies/chapters and number of events organized through RIT Electronica association.Members suggested that percentage of students participating in various professional bodies should be included in future.	Feb 2021	Mr.K.Ragavan
8.	<ul style="list-style-type: none">Mr.D.Gopinath AP/ECE presented the students Internship and In-Plant Training details and also discussed about the students who undergone Internship/Inplant training through MOU signed companies.Mrs.B.Vijayalakshmi suggested to analyze the IPT/IV feedback from students, based on the analyzes report allow the students in future for the same company.	Feb 2021	Mr.D.Gopinath

28/10

RAMCO INSTITUTE OF TECHNOLOGY

RAJAPALAYAM

(Approved by AICTE, Affiliated to Anna University Chennai)

Department of Electronics and Communication Engineering

Ref.: RIT/Academic/ECE/PA&QIC/2020-2021/01

Date: 07.10.2020

The minutes of the 2nd Program Assessment and Quality Improvement Committee Meeting

9.	<ul style="list-style-type: none">Mrs.V.SrirengaNachiyar AP/ECE & Mr.R.DeivaNayagam AP/ECE presented the Students participations in Co-Curricular and Extra-Curricular Activities.Mrs.D.Darling Helen Lydia enquired about eyantra student participation specific to department and NSS/NCC students' participation.	Feb 2021	Mrs.V.SrirengaNachiyar & Mr.R.DeivaNayagam
10.	<ul style="list-style-type: none">Mrs.S.Jeeva AP/ECE presented the faculty participation in Faculty development / Training activities / STTPs. She also presented the details of international, national and state level participations. Faculty online course statistics through edx and coursera also presented.Members suggested to share the outcome of technical FDP participation by faculty members in peer forum and ensure the effective use of CANVAS.	Feb 2021	Mrs.S.Jeeva
11.	<ul style="list-style-type: none">Mr.G.Sivakumar AP/ECE briefed the project proposals submitted and grant in the year 2019-2020. He consolidated publications in referred/SCI Journals, citations, and Book Chapters. He briefed the project categories like software, hardware and industry based projects.Dr.V.Sivakumar suggested that plan the steps to take for improvement in number of industry projects and prepare journal or conference paper along with industry people. He also advised to improve the interdisciplinary projects.	March 2021	Mr.G.Sivakumar
12.	<ul style="list-style-type: none">Mr.P.Venkatesh AP/ECE presented the adequate well-equipped laboratories to run all the program-specific curriculum and additional facilities created for improving the quality of learning experience in laboratories.Dr.L.Sathikala advised to utilize the	Feb 2021	Mr.P.Venkatesh

RAMCO INSTITUTE OF TECHNOLOGY

RAJAPALAYAM

(Approved by AICTE, Affiliated to Anna University Chennai)

Department of Electronics and Communication Engineering

Ref.: RIT/Academic/ECE/PA&QIC/2020-2021/01

Date: 07.10.2020

The minutes of the 2nd Program Assessment and Quality Improvement Committee Meeting

	additional laboratory facilities for value added courses.		
13.	<ul style="list-style-type: none">Mr.P.Gunasekaran AP/ECE discussed the Entrepreneurship activities, patent filed and IIC reports of last assessment year 2019-2020. He also briefed the project identified for filling the patent for the next academic year.Dr.V.Sivakumar suggested to increase the number of patent by making industry projects to products.	March 2021	Mr.P.Gunasekaran
14.	<ul style="list-style-type: none">Mrs.G.Gnanapriya AP/ECE presented the documentation activities leading to quality improvement towards teaching learning process and faculty research publications.Dr. L.Sathikala enquired about number of journal publication in national and international journals and suggested to improve the publications.Dr.V.Sivakumar suggested to receive more fund from government and non-government organization.	Feb 2021	Mrs.G.Gnanapriya
15.	<ul style="list-style-type: none">Mrs.R.Ramalakshmi AP/ECE presented the feedback analysis of students, alumni's and parents.Dr. L.Sathikala suggested to consolidate the action taken for feedback received from alumni, parents and students.	Nov 2020	Mrs.R.Ramalakshmi
16.	<ul style="list-style-type: none">Meeting has been declared open for inviting suggestions to improve the quality of the department activities.	-	-
	<ul style="list-style-type: none">Dr.V.Sivakumar suggested identifying the potential students who are all having ability to get university rank.Members asked the reason for getting good GPA in laboratory subject while low GPA in same theoretical subjects.Dr.V.Sivakumar proposed to set desired target values to meet out the quality objectives for journal publication in scopus.	Feb 2021	All Faculties

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RAMCO INSTITUTE OF TECHNOLOGY

RAJAPALAYAM

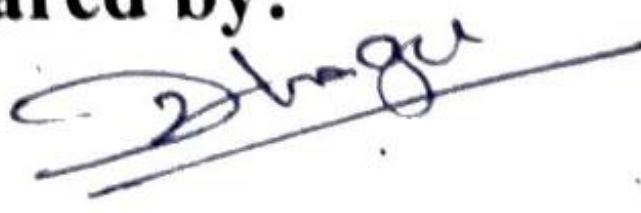


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The minutes of the 2nd Program Assessment and Quality Improvement Committee Meeting

	<ul style="list-style-type: none">Members enquired about the methods for sustaining and improving quality policies of department.		
17.	<ul style="list-style-type: none">Dr.B.Deepa Lakshmi Associate Professor/ECE extended the Vote of Thanks for all the members for attending the second PA&QIC meeting with a request to provide long-term support for the prospective development of the department in all means.	-	-
Prepared by:  A. Azhagu Jai Sudhan Fazhani		Verified by:  27/10/2020 S. Periyamayagi	Approved by:  28/10

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



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Department of Mechanical Engineering

Academic Year 2020 – 2021

Minutes of Meeting – 3rd Program Assessment & Quality Improvement Committee (PA&QIC)

Date of Meeting : 19.07.2021 (Monday)
Time of Meeting : 3:00 PM to 4:30 PM
Reference : RIT/Mech./PA&QIC/03
Google Meet Link : <https://meet.google.com/xtn-qshk-ueb>

Members Present:

Sl. No.	Name of the Faculty Member	Designation	PAQIC
1.	Dr.S.Rajakarunakaran	Professor and Head / Mechanical	Convener
2.	Mr.M.Ashok Kumar	AP(SG) / Mechanical	Member
3.	Mr.S.Maharajan	Assistant Professor / Mechanical	Member
4.	Mr.R.Prabhakaran	Assistant Professor / Mechanical	Member
5.	Mrs.R.Kalaimani	Assistant Professor / Civil	Member
6.	Mr.C.A.Yogaraja	Assistant Professor / CSE	Member
7.	Mr.A.Arun Kumar	Assistant Professor (SG) / EEE	Member
8.	Mrs.R.Ramalakshmi	Assistant Professor (SG) / ECE	Member
9.	Dr.G.Selvaraj	Assistant Professor / Maths	Member
10.	Dr.P.Suresh Kumar	Associate Professor / Mechanical	Representative
11.	Dr.V.Sivakumar	Associate Professor / Mechanical	Representative
12.	Dr.S.Godwin Barnabas	Associate Professor / Mechanical	Representative
13.	Mr.J.Jerold John Britto	AP(SG) / Mechanical	Representative
14.	Mr.M.Sivagaminathan alias Balaji	Assistant Professor (SG)	Representative
15.	Mr.S.Valai Ganesh	AP / Mechanical	Representative
16.	Mr.C.Gururaj	AP(SG) / Mechanical	Representative
17.	Mr.J.Jabinth	AP / Mechanical	Representative
18.	Mr.L.Karthikeyan	AP / Mechanical	Representative

MS
27/8/21

Sl. No.	Name of the Faculty Member	Designation	PAQIC
19.	Mr.G.Prabu ram	AP(SG) / Mechanical	Representative
20.	Mr.M.Santhana Maruthu Pandian	AP / Mechanical	Representative
21.	Mr.R.Arun Kumar	AP / Mechanical	Representative
22.	Mr.R.Venkatesh	AP / Mechanical	Representative
23.	Mr.N.L.Sujin	AP / Mechanical	Representative
24.	Mr.T.Selva Sundar	AP / Mechanical	Representative
25.	Mr.M.Ramar	AP / Mechanical	Representative
26.	Mr.S. Kathiravan	AP / Mechanical	Representative
27.	Mr.P.Pavithran	AP / Mechanical	Representative

The agenda of the meeting

1. Review of Previous meeting – 2nd PA&QIC
2. Result analysis of 2019-2020 Even Semester & 2020-2021 Odd Semester
3. Program Curriculum and Teaching and Learning Process
4. Attainment of COs, POs, PSOs with program effectiveness (2019-2020)
5. Institute – Industry Interactions and its impact
6. Training and Placement Progress & Career Guidance Cell activities
7. Professional Societies and Technical Association: Participants and its inference
8. Internship & In-Plant Training
9. EDC, IIC and NISP Progress
10. Faculty participations / performance
11. Laboratory utilization with respect to OBE
12. Alumni Association Interactions
13. Continuous Improvements
14. Stakeholders Feedback and analysis: Students/Parents/Alumni/Recruiters
15. Any other matters

1. REVIEW OF PREVIOUS MEETING (2ND PA&QIC)

Dr.P.Sureshkumar, ASCP/Mech. presented the progress and action taken for the suggestions given in 2nd PA&QIC meeting held on 21.11.2020.

Item	Suggestions	Action taken
Teaching & Learning Practiced	Ensure the effective use of LMS	Faculty submitted the course Analytics during DRM
	Update the innovative practices for the year 2020-2021	Updated in the file as well as website
	Maintain the transparent evaluation and Rubrics	Rubrics has been developed and circulated to student before the evaluation
	Different LMS Platform	Different LMS platform used by the faculty members
Assessment Methods, Attainment of CO, PO, PSO	Set the higher target level	Implemented
	Reason for decreasing trend in CO-Attainment	Analyze done and the results present in this meeting
Virtual Lab Utilization	To collect the Feedback and outcome from student	Collected the feedback and analyzed the outcome
T&P	Motivate the virtual internship	25 student have completed
	Software training for RIT-Harita	Training conducted and placed the students -
	GD conducted along with English faculty	English faculty included in GD
Internship and IPT	Improve the participation	IPT: 09 (19-20), 20 (20-21) Intern: 49 (19-20), 35 (20-21)
	Periodically collect the feedback from organization	Collected the feedback
Professional Societies and Association	Summary table for benefitted students	Discussed in this meeting
Faculty Participation	Comparative Analysis has to take for two years	Comparative analysis made by the respective criterion coordinator
Project Proposal/ Research Publication	Specify the classification i.e SCI and Scopus Journal	Separately mentioned SCI and Scopus journal
Stakeholder feedback	Training program need for usage of LMS	Special program were conducted for canvas

2. RESULT ANALYSIS OF 2019-2020 EVEN SEMESTER AND 2020-2021 ODD SEMESTER

Mr.T.Selva Sundar, AP/Mech. presented the result analysis for April /May 2020 and Nov /Dec 2020.

- Micro level analysis were made for failure students and reasons are listed out
- The subject wise grade analysis was done to find the impact of GPA for all subjects

- As per the direction of Govt. of Tamil Nadu, Anna University conducted the re exam for the interested students those who want to get pass and improve their grade. Many students attended re exam in order to improve their CGPA and all the arrear students also attended Re exam to get pass mark.

Reason for Failure:

- Few students faced login issues due to their poor network connectivity.
- Since it is MCQ type questions, slow learners found difficulties in solving problems which were asked in MCQ.
- Students spent more time to solve analytical questions that were asked in MCQ format, Due to lack of time management, they didn't answer all the questions in time.
- In ME8072 Renewable Sources of Energy & ME8073 Unconventional Machining Processes (First exam for VII semester), 90% of the failed students reported that they faced login issues during the exam. Some students complained that their test got submitted due network problem and hence they did not attend remaining questions.

Suggestion Given by members:

- In some subjects average grade point value is below 7 GPA. PAQIC Members suggested collecting and analyzing the reasons given by the subject handling faculty and take necessary actions for the betterment.
- Students were advised to attend their exam from the place where the network strength is good.

3. PROGRAM CURRICULUM, TEACHING AND LEARNING PROCESS

Presenter: Mr.G.Prabu Ram, AP (Sr.Gr)/Mechanical and Mr.R.Arun Kumar, AP/Mechanical

Mr.G.Prabu Ram, AP (Sr.Gr)/Mechanical briefed the Teaching learning followed in the department as follows:

A. PROGRAM CURRICULUM:

Curriculum Gap Identification:

The curriculum gap identification process was explained. It was explained that the curriculum gap is identified based on feedback from Industry expert, Academic expert, Parents, Students and Alumni. For the same the department courses were divided in to three broad domains and domain coordinators were nominated.

The detail of the same is listed below.

Sl. No.	Domain	Coordinator	Members
1.	Thermal	Mr.M.Ashok Kumar, AP(SG)	Dr.V.Sivakumar, ASCP Mr.M.Sivagaminathan alias Balaji, AP(SG) Mr.R.Arun Kumar, AP Mr.N.L.Sujin, AP
2.	Design	Mr.J.Jerold John Britto, AP(SG)	Mr.C.Gururaj, AP(SG) Mr.G.Prabu ram, AP(SG) Mr.S.Valai Ganesh, AP Mr.J.Jabinth, AP Mr.L.Karthikeyan, AP Mr.R.Venkatesh, AP Mr.R.Prabhakaran, AP Mr.T.Selva Sundar, AP
3.	Manufacturing	Mr.S.Maharajan, AP	Dr.S.Rajakarunakaran, Professor and Head Dr.P.Suresh Kumar, ASCP Dr.S.Godwin Barnabas, ASCP

Sl. No.	Domain	Coordinator	Members
			Mr.M.Lakshmanan, AP(SG) Mr.M.Santhana Maruthu Pandian, AP Mr.M.Ramar, AP Mr.S.Kathiravan, AP Mr.P.Pavithran, AP

The domain wise meeting was conducted by the domain in charges and the faculty members were allotted with courses and to collect the curriculum gap suggestions from different stake holders such as parent, students, industrial experts, professional society representatives, peer groups. The curriculum was circulated among stake holders in third week of July, 2021. The gaps were suggested by the experts and consolidated during last week of July. The identified gaps were submitted to Anna University on 27.07.2021. The gap identification was course specific as well as curriculum specific.

The domain committee reviewed the suggestions and the curriculum gaps were sent to University Centre for Academic Courses in following aspects:

- Addition of curricular content.
- References to be included in the existing curriculum as well as for the proposed curriculum.
- Rearrangement of courses in the curriculum to meet pre-requisites.
- Suggestion of new courses to cater the needs of industrial demands.

Based on the suggestions from experts, the following courses are planned to be offered as Value Added Course in the AY 2021 – 22 and the approval request for the same was sent to Anna University Centre for Academic Courses on 27.07.2021. The lists of courses are:

1. IoT and AR Applications in Mechanical Engineering
2. Modern Fabrication Techniques of Plastics
3. Chatbot Design for Industrial Applications

The curriculum content for the above said courses includes references, pre-requisites, objectives, outcomes, assessment methods along with detailed delivery plan/schedule.

Based on the input from criteria 7 (Continuous Improvement), it is decided to continue the following two Value Added Courses.

MVA005 – Smart Materials and Structures

MVA006 – Green Energy Technologies and Management

Note: It was presented that two new forms to be introduced in AY 2021 – 22 for strengthening the curriculum gap identification process.

- Student's feedback on curriculum
- Faculty's feedback on curriculum

Content Beyond Syllabus Plan:

It was decided in all the domain meetings to address the curriculum gap identified by planning content beyond syllabus in the respective courses and the same has to be mapped with corresponding POs, PSOs. Faculty members will be following an assessment tool for the topics covered through content beyond syllabus and the same will be considered for attainment calculation.

B. TEACHING LEARNING PROCESS:

Innovative Practices:

The innovative practices followed in different courses were presented by Mr.G.Prabu ram. Few sample practices are listed below:

Sl. No.	Course Code & Title	Practice followed	Topic
1.	GE8075 Intellectual Property Rights	Information sharing platform	IPR Infringement Case Studies
2.		Quizziz online poll game	End of Unit IV
3.		Online course assignment	Patent informatics

Sl. No.	Course Code & Title	Practice followed	Topic
4.		Guest Lecture	Patent Search and applying digital signature for Patent filing
5		Feedback based learning	Patent Drafting
6.	CE8395 Strength of Materials for Mechanical Engineers	Use of Simulation Software (Beamguru)	Shear Force and Bending Moment Diagram
7.	ME8692 – Finite Element Analysis	T2P Description using software	Beam FEA using CREO
8.	PR8592 – Welding Technology	Cross Word Puzzle	Unit I overview
9.		Virtual welding using mobile app (Welducation)	Types of welding
10.		Connection with welding	Welding basics
11.	ME8693 Heat and Mass Transfer	Problem solving using MAT Lab simulation	Forced convection problem

Based on the input from criteria 7 (Continuous Improvement) and feedback through course exit survey it is proposed to follow online simulation tools like MAT Lab, Software, etc. for making the students to understand the concepts.

Methods to support slow and bright learners:

It was presented that the following steps were taken for the slow learners and bright learners in the department.

Slow learners: Special classes to face the end semester examination conducted by Anna University

Bright Students:

- GATE coaching is given for the students to face the technical competitive exams.
- Motivating students to pursue online courses to strengthen their area of interest.

It was suggested that the effectiveness of special classes can be presented. The outcome of special class can be measured and used for Course outcome attainment calculation.

Quality of internal assessment question papers:

It was presented that the quality of question papers for internal assessment tests are assessed in two levels:

- Internal review
- Centralized review

The respective domain coordinators will be verifying the quality of question papers by checking the adherence to standards including question quality, ISO standards of institution, course outcomes, Blooms taxonomy level and Anna University norms in internal review mechanism.

In external review mechanism, the random samples of question papers will be verified by the domain experts by checking the above said adherence and questions quality.

Quality of Project:

It was presented as follow for the project quality and review mechanism.

- Students are asked to fill the project form along with tentative title of the project and willing supervisor.
- Based on the chosen area of project, the students are allotted with supervisors with expertise in the proposed area.
- Students will undergo three internal review processes for which the Review Committee is formulated in respective departments.
- The second review for the students project will involve an invited industrial expert to suggest the students for further improvisation in the project

- After completion of the project the outcome of student's projects are categorized as follows:
 - Patents
 - Publications
 - Conference presentations
 - Project competitions

Internship and its impact on Program Outcomes:

It was presented as follow for the internship initiatives:

- Due to pandemic crisis, students were encouraged to undergo virtual internship. The details of student internship were presented and the same is listed below in table.

Sl. No.	Name of the Company	No. of students
1.	Intech olympiad online summer internship (A Four Technologies)	13
2.	Ezenith Education	01
3.	Uniq Technologies	01
4.	Internship studio	01
5.	Cognitech	02
6.	Xyma Analytics, IIT-M research Park, Chennai	01
7.	Ramco Cements, RR Nagar, Virudhunagar	03
8.	Rajapalayam Mills Limited, Rajapalayam	01
9.	Summits Hygronics Pvt Limited	02
10.	SB Engineering, Coimbatore	01
11.	Rane Engine Valve Limited, Pudukottai	02
12.	National Instruments	04

- The department consultative committee was constituted and the committee will assess the students' outcome through internship
- Students submit their internship report and they were asked present the same to the consultative committee.
- An exclusive rubrics is deigned to evaluate the performance of the students.
- It was suggested to correlate the internship activities with suitable POs and PSOs so that the same can be used for attainment calculation

Suggestions given by the members

1. Separate discussion may be given on Outcome of Value added courses and Innovative practices.
2. Try to measure the outcome of slow learners after conducting special classes
3. Modern tool usage can be implemented for all subjects.
4. Few implementation proofs after getting feedback from students can be presented
5. Internship assessment can be considered for attainment calculation.

4. ATTAINMENT OF COs, POs, PSOs WITH PROGRAM EFFECTIVENESS (2019-20)
Presenter: Mr.J.Jabinth, AP/Mech.

The points presented in the 3rd PAQIC meeting are as follows,

a. Assessment methods practiced in the last academic year.

Direct	Indirect
Internal Assessment Test 1,2,3, Assignment, Quiz, Course Exit Survey	Alumni Exit survey, Program Exit survey

b. The details of courses considered for attainment calculations are,

No. of Course Outcomes	ODD:	EVEN:
Project	1	1
Elective Course	4	6
Practical Course	10	11
Theory Course	26	24

c. The details of course outcomes considered for attainment calculations,

No. of Courses and their levels	L1	L2	L3	L4
ODD	19	79	107	13
EVEN	21	68	78	09

d. Details of co-correlations with POs & PSOs

ODD

PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
36	34	35	37	22	18	14	30	17	36	1	34

ODD

PSO1	PSO2	PSO3	PSO4
18	26	19	16

EVEN

PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
29	28	28	26	20	14	11	29	15	32	6	30

EVEN

PSO1	PSO2	PSO3	PSO4
16	18	16	9

e. Details of Target Comparison

Batch	Target Attainment
2016-2021 (AGPA ₁) – R13	$\left(\frac{(AGPA_1 + AGPA_2 + AGPA_3)}{2}\right) \times 0.3$
2017-2022 (AGPA ₁) – R17	1.5 for Theory Courses & 2 for Laboratory Courses/Projects
2018-2023 (AGPA ₂) – R17	(AGPA ₁ × 0.3)

Batch	Target Attainment
2019-2024 (AGPA ₃) – R17	Maximum of $\left(\left(\frac{AGPA_1 + AGPA_2}{2} \right) \times 0.3, (AGPA_1 \times 0.3) \right)$

Course Code	Course Name	Target			
		2013-17	2014-18	2015-19	2016-19
I Semester		2013-17	2014-18	2015-19	2016-19
C101	Technical English – I	1.5	1.95	1.98	1.96
C102	Mathematics – I	1.5	2.51	2.2	2.09
C103	Engineering Physics – I	1.5	1.99	2.09	2.08
C104	Engineering Chemistry – I	1.5	1.97	2.12	2.14
C105	Computer Programming	1.5	2.05	2.06	2.04
C106	Engineering Graphics	1.5	2.59	2.39	2.22
C107(L)	Computer Practices Laboratory	2	2.77	2.79	2.75
C108(L)	Engineering Practices Laboratory	2	2.67	2.69	2.7
C109(L)	Physics and Chemistry Laboratory - I	2	2.66	2.64	2.67
II Semester		2013-17	2014-18	2015-19	2016-120
C110	Technical English – II	1.5	1.86	2	2.09
C111	Mathematics – II	1.5	2.07	2.02	1.96
C112	Engineering Physics – II	1.5	2.22	2.08	1.98
C113	Engineering Chemistry – II	1.5	2.02	1.99	2.02
C114	Basic Electrical and Electronics Engineering	1.5	1.76	1.86	1.91
C115	Engineering Mechanics	1.5	2	1.96	1.95
C116(L)	Computer Aided Drafting and Modeling Laboratory	2	2.87	2.83	2.83
C117(L)	Physics and Chemistry Laboratory - I	2	2.69	2.67	2.72
III Semester		2013-17	2014-18	2015-19	2016-120
C201	Transforms and Partial Differential Equations	1.5	2.15	1.91	1.86
C202	Strength of Materials	1.5	1.95	2.03	2
C203	Engineering Thermodynamics	1.5	1.77	1.5	1.7
C204	Fluid Mechanics and Machinery	1.5	1.74	1.89	1.96
C205	Manufacturing Technology - I	1.5	2.07	2.1	2.08
C206	Electrical Drives and Controls	1.5	2.06	2.8	1.98
C207(L)	Manufacturing Technology Laboratory - I	2	2.78	2.78	2.77
C208(L)	Fluid Mechanics and Machinery Laboratory	2	2.66	2.71	2.36
C209(L)	Electrical Engineering Laboratory	2	2.82	2.8	2.76
IV Semester		2013-17	2014-18	2015-19	2016-120
C210	Statistics and Numerical Methods	1.5	2.83	2.12	2.07
C211	Kinematics of Machinery	1.5	2.03	1.97	1.93
C212	Manufacturing Technology– II	1.5	2.13	2.08	2.06
C213	Engineering Materials and Metallurgy	1.5	2.09	2.11	2.07
C214	Environmental Science and Engineering	1.5	2.02	2.02	2
C215	Thermal Engineering	1.5	1.94	1.93	1.87

C216(L)	Manufacturing Technology Laboratory-II	2	2.84	2.83	2.79
C217(L)	Thermal Engineering Laboratory - I	2	2.79	2.75	2.72
C218(L)	Strength of Materials Laboratory	2	2.83	2.84	2.84
V Semester		2013-17	2014-18	2015-19	2016-120
C301	Computer Aided Design	1.5	2.14	2.15	2.11
C302	Heat and Mass Transfer	1.5	2.05	2.06	2.02
C303	Design of Machine Elements	1.5	2.03	1.98	1.95
C304	Metrology and Measurements	1.5	2.07	2.16	2.13
C305	Dynamics of Machines	1.5	2.18	2.2	2.06
C306	Professional Ethics in Engineering	1.5	2.08	2.11	2.07
C307(L)	Dynamics Laboratory	2	2.79	2.79	2.4
C308(L)	Thermal Engineering Laboratory-II	2	2.75	2.76	2.36
C309(L)	Metrology and Measurements Laboratory	2	2.83	2.8	2.39
VI Semester		2013-17	2014-18	2015-19	2016-120
C310	Design of Transmission Systems	1.5	2.17	2.1	2.08
C311	Principles of Management	1.5	2.2	2.17	2.04
C312	Automobile Engineering	1.5	2.19	2.21	2.15
C313	Finite Element Analysis	1.5	2.24	2.13	1.89
C314	Gas Dynamics and Jet Propulsion	1.5	2.23	2.06	1.94
C315	Renewable Source of Energy	1.5	2.29	2.18	2.22
C316	Unconventional Machining Process	1.5	2.29	2.18	2.22
C317(L)	C.A.D. / C.A.M. Laboratory	2	2.97	2.9	2.78
C318(L)	Design and Fabrication Project	2	2.9	2.92	2.86
C319(L)	Communication and Soft Skills-	2	2.42	2.49	2.49
VII Semester		2013-17	2014-18	2015-19	2016-120
C401	Power Plant Engineering	1.5	2.34	2.18	2.12
C402	Mechatronics	1.5	2.37	2.07	2.02
C403	Computer Integrated Manufacturing Systems	1.5	2.23	2.12	2.11
C404	Total Quality Management	1.5	2.24	2.08	2.03
C405	Process Planning and Cost Estimation	1.5	2.41	2.21	2.12
C406	Welding Technology			1.5	2.08
C407	Energy Conservation and Management	1.5	2.41	2.21	2.08
C408	Maintenance Engineering	1.5	2.25	2.06	2.06
C409(L)	Simulation and Analysis Laboratory	2	2.99	2.91	2.84
C410(L)	Mechatronics Laboratory	2	2.95	2.81	2.77
C411(L)	Comprehension	2	2.48	2.36	2.57
VIII Semester		2013-17	2014-18	2015-19	2016-120
C412	Engineering Economics	1.5	2.16	2.05	2.02
C413	Production Planning and Control	1.5	2.18	2.24	2.13
C414	Entrepreneurship Development		1.5	2.24	2.13
C415	Non Destructive Testing and Materials	1.5	2.21	2.06	1.99
C416	Advanced IC Engines	1.5		2.21	1.99
C417(L)	Project Work	2	2.87	2.92	2.91

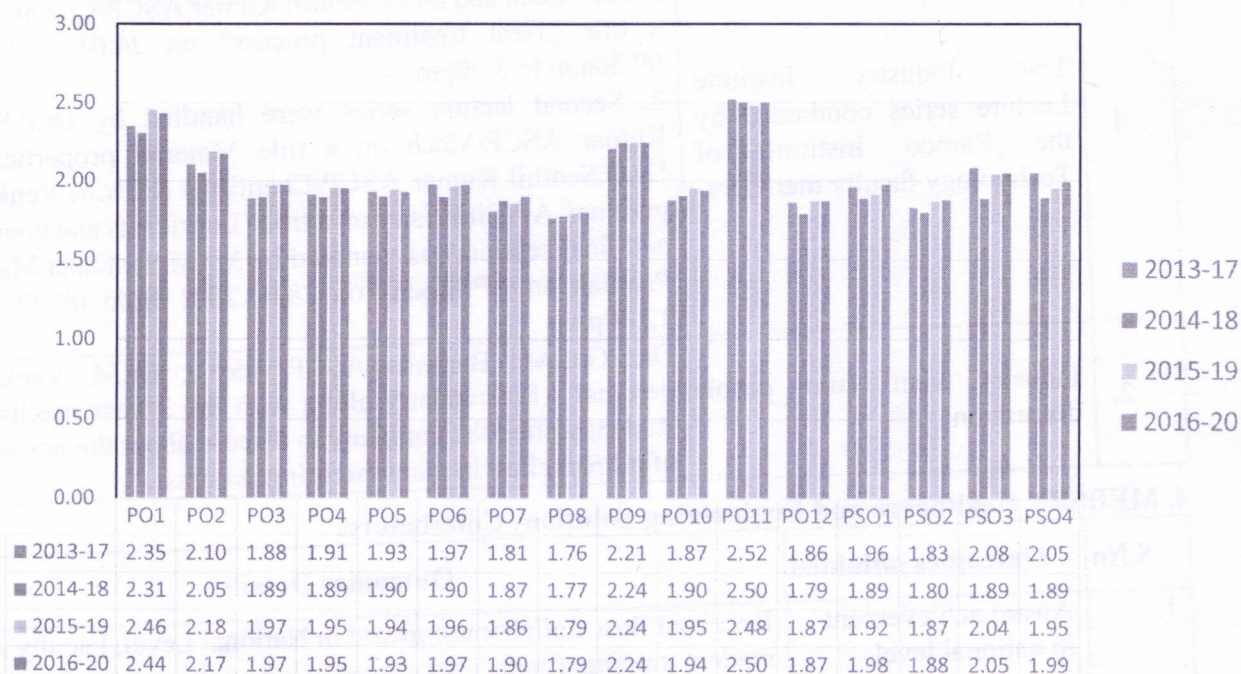
Details of CO Not Attainment subjects

Sl.No.	Code	Name	Target	CO	Status
1	C102	Engineering Mathematics I	1.8	1.01	Not Attained
2	C103	Engineering Physics	1.8	1.45	Not Attained
3	C104	Engineering Chemistry	2.11	0.27	Not Attained
4	C105	Problem Solving and Python Programming	2	0.46	Not Attained
5	C109	Technical English	2.01	1.89	Not Attained
6	C201	Transforms and Partial Differential Equations	1.8	0.52	Not Attained
7	C202	Engineering Thermodynamics	1.8	1.16	Not Attained
8	C203	Fluid Mechanics and Machinery	1.8	1.05	Not Attained

Highly Attained subjects (>40% improvement compared to target):

Code	Subject Name	%
C419	Additive Manufacturing	48
C415	Non Destructive Testing and Materials	48
C303	Design of Machine Elements	45
C408	Maintenance Engineering	43
C406	Welding Technology	43
C202	Strength of Materials	42
C404	Total Quality Management	42

f. Details of PO Attainment



Highly attained POs: PO7 & PSO1

5. INDUSTRY INSTITUTE INTERACTIONS AND ITS IMPACT

Presenter: Mr.R.Venkatesh, AP/Mechanical. and Dr.S.Godwin Barnabas, ASCP/Mechanical
Dr.S.Godwin Barnabas, ASCP/Mechanical discussed the following activities:

1.Harita Techserv Ltd, Chennai.

S.No.	Software Used	No.of Students Trained	No .of Students Placed
1.	CATIA Software	17	3

2. Ramco Group of Textile Division, Rajapalayam.

S.No.	Outcomes	Details
1.	Final year project completion	S.V.Vignesh final year Mechanical Engineering student completed Industry project under the guidance of Mr.Abhinav Kumar,Trainee, Ramco Group of Textile Division, Rajapalayam
2.	Paper presentation in International conference	S.V.Vignesh final year mechanical student presented paper titled "Implementation of KAIZEN concept in Textile Industry in international conference conducted by Francis Xavier college of engineering, ICROME March 30,2021.

3. Gowri House Metal Works, Rajapalayam.

S.No	Outcomes	Details
1.	Two Industry Institute Lecture series conducted by the Ramco Institute of Technology faculty members.	1. First lecture series were handled by Dr.P.Suresh Kumar ASCP/Mech and Dr.O.Senthil Kumar ASCP/Chemistry on a title "Heat treatment process" on 24.01.2021 from 09.30a.m to 3.30pm. 2. Second lecture series were handled by Dr.P.Suresh Kumar ASCP/Mech on a title Material properties and Dr.O.Senthil Kumar ASCP/Chemistry & Dr.M.Venkatesh perumal AP/Chemistry on a title "Lubricants and coolants" and final session was handled by Mr.M.Santhana Maruthu Pandian on AP/Mech on 28.03.2021 from 09.00a.m to 12.30pm.
2.	Industry visit cum proble discussion	Dr.S.Godwin Barnabas,ASCP/Mech , Dr.M. Venkatesh perumal AP/Chemistry along with the 3 year mechanical student visited the company to discuss about the possibility of oil recycling in manufacturing process.

4. MEDSBY Healthcare and Engineering Solutions Coimbatore.

S.No	Outcomes obtained	Outcomes Details
1.	Award achievement in national level	Received Best Collaborator award in National Level, Faculty and student training, Product developed using additive manufacturing
2.	Prizes secured by the students	With the support of Medsby our students secured 1st,2nd and 3rd prizes in 3D printing competition conducted by IITM PALS.

S.No	Outcomes obtained	Outcomes Details
3.	Consultant work to other organizations.	3D printing consultant activity carried out for the SACS MAVMM Engineering college for the amount worth of Rs 8,500/-

5. Ramco Cements Ltd.,Chennai.

S.No	Outcomes obtained	Outcomes Details
1.	Students Internship	Final Year and 3 rd year Mechanical Engineering 08 students undergone internship in Jan-March 2021.
2.	Students Project Work	Two final year students completed project work in the title of 'Automation in Cement Bag Feeding in Electronic Rolling Packer'
3.	Paper Presentation	One student presented a paper titled 'Automation in Cement Bag Feeding in Electronic Rolling Packer', in the National Level Symposium on 'Recent Trends in VLSI Signal Processing, IoT, Communication & Embedded Systems-VSPICE 2021 conducted by Amirta College of Engineering and Technology on 3 rd May 2021.

6. NI Systems Private Limited, Bangalore.

S.No	Outcomes obtained	Outcomes Details
1.	Students Training Programs	05 Students are get a training from NI Systems
2.	Students obtained certificates	Three final year students obtained CLAD certificate from NI Systems

7. Aravind Herbal, Rajapalayam.

S.No	Outcomes obtained	Outcomes Details
1.	Proposal Submission	1.Project proposal submitted by the mechanical department faculty members in DST under WMT theme titled "Dual benefits in using the waste tyre for waste water treatment and production of automotive seals and gaskets",on 30.11.2020. 2.Submitted proposal got screened for final presentation by DST expert members on 14.07.2021.
2.	Providing solutions to the Industry problems	Problems faced by the industry for capsule filling in automated manner is given as fabrication work to the students guided by the internal faculty members.

8. V-Invent Chemilab Private Limited, Rajapalayam.

- Working model has been developed in front of the V-Invent Proprietor. Three faculties and four students are involved in this activity.

S.No	Outcomes obtained	Outcomes Details
1.	Design of Plaster Panel	2D schematic sketch developed using AutoCAD software.
2.	Developed Plaster Panel	Model developed using Bullet screw and 3D Printed Plate head Techniques.

S.No	Outcomes obtained	Outcomes Details
3.	Automation of Painting Systems	Automation Concept planned and it has been proposed with dual nozzle systems.

9. Raja Nursery Garden, Rajapalayam

S.No	Outcomes obtained	Outcomes Details
1.	Forest App Development	1. Applied REAL FOREST mobile app to start-up to be a part of NIAM-Startup Agri-Business Incubation Programme with Registration Number: Reg/NIAM// AGRIIBUSINESS//2020//40. 2. Started Phase-I Work of REAL FOREST applications Module Zero portion.
2.	Proposal Submission	RIT and Raja Nursery Garden submitted proposal titled "Agro Real Forest Digitalization" under "Start-up Agri business incubation programme" worth of Rs.25,00,000/- to Centre for Innovation, Entrepreneurship and Skill Development, CCS National Institute of Agricultural Marketing

• **Suggestions given by the member and future plans to improve the Institute Interaction outcomes from MoU signed industries**

1. Allotted Faculty members are suggested to request more guest lectures and Industrial visits through Industrial experts from the MoU signed industries.
2. It is planned to generate more industry authored papers in future from the completed students project work carried out in the industry.
3. Planned to offer more value added credit course for the RIT students from the recent cutting edge technologies from the MoU signed industries.
4. Suggested to increase the number of outcomes from the MoU signed industries.
5. Instructed to increase research activities with MoU signed industries.

6. A. Training and Placement Progress

Mr. M. Sivagaminathan alias Balaji, AP(SG)/MECH, Placement Coordinator of Department of Mechanical Engineering

1. Presented the placement statistics for the academic year 2020 – 2021

Academic Year	Number of students opted for placement	Number of students placed	Placement Percentage
2019 - 2020	111	82	73.87%
2020 - 2021	103	99	97%

2. Listed the details of number of core, software and educational service companies visited for recruitment during 2020 – 2021 in comparison with 2019 – 2020 .

Companies	Academic Year 2019 - 2020	Academic Year 2020 - 2021
Number of core companies visited	7	19
Number of software companies visited	20	18

Companies	Academic Year 2019 - 2020	Academic Year 2020 - 2021
Number of Training & Placement companies visited	4	03
Total	31	40

3. Listed of new companies visited the campus in the academic year 2020 – 2021

1. BYJU'S
2. Steel Strips Wheels Limited
3. Myunghwa Automotive Private Limited
4. Bhavani industries
5. East India Company
6. SV Logistics
7. Igarashi Motor's India Limited
8. Axles India Limited
9. Makolet Private Limited
10. Gestamp Automotive Chennai Private Limited
11. Unitech Plasto Components Private Limited

4. Presented the companies visited, position offered to students with their operating domain

S.NO	Name of the Company	Operating Domain	Designation offered to Students
1.	Rane TRW Occupant Safety Division	Production	Graduate Engineer Trainee
2.	TATA Consultancy Services Limited	Application Development and Maintenance projects	Assistant System Engineer-Trainee
3.	BYJU's	Business Development	Business Development Trainee
4.	Igarashi Motors India Limited	R&D	ACT Apperentice
5.	Steels Strips Wheels Limited	Operation	Graduate Engineer Trainee
6.	East India Private Limited	Production	Trainee Engineer
7.	Unitech Plasto Components Private Limited	Production	Graduate Engineer Trainee
8.	Bhavani Industries	Production	Trainee Engineer
9.	Myunghwa Automotive India Private Limited	Production and Quality	Graduate Engineer Trainee
10.	Sakthi Auto Components Limited	Production and Quality	Graduate Engineer Trainee
11.	Windcare India Private Limited	Design and Site Engineer	Trainee Engineer
12.	Makolet Private Limited	Digital Marketing	Digi Marketing Trainee
13.	SV Logistics	Logistics	Junior Executive

5. Presented the details of training provided to the 2017 – 2021 Batch and 2018 - 2022 students as follows

S.No.	Trainer Details	Training Details	Topics taught is training	Number of Students Attended
Training for 2017 – 2021 Batch Students				
1.	Employability Training for Service-based Companies (both Basic and Advanced batch) “Programming Skills in C” by Department of CSE	13.07.2020 to 15.08.2020	Programming in ‘C’ language, 1. Basic level and 2. Advanced level.	Basics – 8 Advanced – 4
2.	Mock Interview by Department of Mechanical & English, Training and placement Centre - RIT	From 14.07.2020, Weekly Twice	Both General and Technical Mock interview	53
3.	TCS Ninja Recruitment Drive - Company Specific Training program by Top freshers	01.10.2020 to 22.10.2020	All the topics related to TCS Ninja Recruitment drive.	41
4.	TCS Mock Interview for students qualified for Final round of TCS Ninja	25.11.2020	General Mock interview	1
5.	Innate Talent Limited	08.03.2021 - 13.03.2021	<ol style="list-style-type: none"> 1. Attitude building 2. Positive thinking 3. Core industry oriented attitude building motivation, 4. Pride of engineering (in core industry), insight about core companies & work nature 5. Communication, its importance, types & its barriers & how to overcome barrier 6. Art of presentation, public speaking 7. Resume building, interview skills – basics interview skills & tips - complete process, grooming, body language, do's & don't's 8. Interpersonal skills - core industry oriented, leadership 9. Goal setting & its importance in career 	43

			10. Quants / Reasoning (students preferred topic) 3. Group discussion 4. Time management & creativity	
Training for 2018 – 2022 Batch Students				
1.	Bootcamp by Department of Mathematics	25.02.2021 & 26.02.2021	General Aptitude Training	98
2.	Innate Talent Limited	15.03.2021 to 20.03.2021	General Aptitude Training	98
3.	Kaar Technologies – Company Specific Training by Topfreshers	30.04.2021 to 07.05.2021	<ol style="list-style-type: none"> 1. Number system 2. Ratio Proportion 3. Ages 4. Partnership 5. Coding decoding 6. Average 7. Alligation and Mixture 8. Direction sense 9. Syllogism 10. Percentage 11. Profit and Loss 12. Number series 13. Clocks 14. Calendar 15. Logical analogy 16. Time, Speed & Distance 17. Trains, Boat & Streams 18. Blood Relations 19. Permutations & Combinations 20. Probability 21. Time and work, pipes & Cistern, 22. Analytics reasoning 23. Seating Arrangements 24. SI&CI 25. Fill in the blanks (Grammar), prepositions, conjunction, articles, tenses, cloze passage, sentence correction, Error spotting, sentence completion, word selection 26. Reading comprehension, Parajumbles / Sentence reordering, Voices and speeches, spelling, 	6

			Vocabulary (Synonyms & Antonyms)	
4.	Programming & Quantitative Aptitude Training	24.05.2021 to 03.06.2021	1. Number system 2. MNC interview coding questions 3. Percentages 4. Averages 5. Java 6. Ratio & Proportion 7. Partnership 8. SI & CI 9. Profit & Loss 10. Time & work 11. Time, Speed & Distance 12. Trains, Boats & Streams	98
5.	Python Programming Classes by CSE Department for Core branches	25.05.2021 to 02.06.2021	Python Programming	98

6. B. Participation of Alumni in Training

Apart from external training organisations, Alumni are also involved in providing company specific training to students. With regard to it, before each recruitment drive Alumni working in that particular company is invited for a discussion with the students appearing for the interview. The details are given below.

S.No.	Name of the Company	Name of the Alumni	Topics discussed
Training for 2017 – 2021 Batch Students			
1.	Rane TRW Occupant Safety Division	1. Mr. P. Ariramalingam 2. Ms. P. Keerthana 3. Mr. S. Shanmugham 4. Mr. M. Vignesh	The Alumni shared their interview experience and they explained the expectations of the company from the students. Further they also discussed about important technical concepts that can be asked by the HR.
2.	Infosys TNSLPP	Mr. Vikram V K	Shared his experience during the interview and listed do's and don'ts during the interview.
Training for 2018 – 2022 Batch Students			
1.	Kaar Technologies	1. Ms. Jegatha C	Shared their experience during the interview and explained the topics from which questions can be asked from.
2.	Vuram Yechology	1. Ms. Vaishnavi Devi	Shared their experience during the interview and explained the topics from which questions can be asked from.

7. Presented the internship offers received by students through Training and Placement cell

S.No.	Name of the Company offering internship	Duration	Name of the Students
1.	Vaayusastra Aerospace Private Limited	6.5.2021 to 6.6.2021	5. Madhavakannan R 6. Raghuram K

S.No.	Name of the Company offering internship	Duration	Name of the Students
2.	Arvi Hitech Private Limited	2 months	1. Chandru K 2. Ramkumar T

8. Explained the details about NI CLAD Certificate course training program which was organized by Training and placement cell in association with Department of ECE. Five Mechanical Engineering students attended the course and two mechanical engineering students have cleared the course, the details about it is given below

S.No	Name of the Student	Marks Scored in Percentage
1.	M Vinoth	77%
2.	N Gokul Prasath	88%

9. Listed the following action plan for the ensuing academic year for the 2018 – 2022 batch Mechanical Engineering students
- Placement training for 60 hours is planned for IV year students from July 28 for final year students.
 - **Mock Interview** will be conducted from July 28 for all the placement eligible students by Department of English and Department of Mechanical Engineering.
 - Company Specific Training will be conducted before every recruitment drive external training organisations for software companies and by alumni for core companies.
10. Enumerated the steps taken by Training and placement cell and Department of Mechanical engineering to implement suggestions given by Recruiters of the academic year 2019 – 2020
- Students are encouraged to attend internships from second year onwards, The internship coordinator of department Mr. S. Kathiravan informs II and III year students about internship opportunities available.
 - The prime focus of Training and placement cell and Department of Mechanical Engineering is to empower students with employability skills. Different kinds and number of training programs are planned from second year till final year.
 - Skillrack platform has been used by students for practicing programming and TERV is introduced for practicing quantitative aptitude topics.
 - Company specific training is implemented for training students before each recruitment drive.
11. Highlighted the Average and Median salary of the students placed in the academic year 2020 – 2021, The details of which are given in the below mentioned table:

Academic Year 2020 - 2021	Number of Students Opted for placement	Number of students placed	Average Salary (In Rupees)	Median Salary (In Rupees)
	103	99	1,83,737	1,68,000

12. Suggestions given by PAQIC Members:

- PAQIC members appreciated the student's performance in the academic year 2020 – 2021.
- PAQIC members advised to include average and median salary in the presentation next time.
- PAQIC members also advised to concentrate on increasing the quality of placement in the academic year 2021 – 2022

6. Career Guidance cell

Presenter: Mr.P.Pavithran, AP/Mech

Mr.P.Pavithran, AP/Mech. briefed the Career guidance cell activities as follows:

1. Revealed number of events conducted during the academic year 2021 – 2022 (4 programs)

Name of the Program	Date & Time	Resource person	No of students Participated
Design Thinking-An disciplinary Domain	01.05.2021 & 10 to 11 AM	Mr.R.Pritivi Raj, Lead Ux Designer, Trimble, Chennai	103
Career Opportunities in EEE	23.05.2021 & 10 AM to 12 PM	Mr.R.Vigneswar, AP(SG)/EEE	50
Career Awareness program	14.06.2021 & 6 PM to 7 PM	Mr.P.Pavithran, AP/Mech	21
Newer and greater opportunities for students of core engineering branches	29.06.2021 & 10.30 AM to 12.30 AM	Mr.M.Anand, Principal councillor, Indian Green building Council, Hyderabad	88

2. Prepared a Career guidance manual for mechanical department.
3. Explained overall students enrolled in GATE Forum Institute, Madurai through online coaching, 17 students from 2021 and 12 students from 2022 batch, Duration of the program was 56 hours.
4. Circulated language training programs to students such as Hindi and Japanese

GATE Coaching:

5. Discussed previous year GATE Questions with all year students in WhatsApp in all days and clarifying student's doubt instantly.
6. Demonstrated that Mechanical faculties taken GATE coaching class, created a classes schedule to delivered topics such as Thermal, manufacturing, Fluid Mechanics and Production engineering.

Suggestions given by the members

6. Arrange interactive sessions between distinguished alumni who are all selected in government job sectors and pursuing students.
7. In Career guidance manual add the job specific training programs details.

7. PROFESSIONAL SOCIETIES AND TECHNICAL ASSOCIATION: PARTICIPANTS AND ITS INFERENCE

Presenter: Mr. S. Valai Ganesh, AP/Mechanical

Presented about various professional societies and club events for the AY 2020-2021

- RIT IEI Mech conducted more events than other societies/club. Planned 18 and conducted 46.
- RIT ISTE applied for Best Professional Chapter award for the AY 2019-2020
- SAEINDIA chapter participated in the following events
 - RIT CRITON has participated in SAEISS Tractor Design Competition- 2020
 - RIT SPARTANS has participated in Bicycle Design Competition- 2020.
- RIT IWS chapter made an MoU with WRI for conducting Value Added Program to the RIT students
- Totally there are 78 events planned out of which 119 events are conducted and plan versus conversion ratio is 152.56%. Conducted event details are already uploaded in college website and department newsletter

Suggestion by the members

- Suggested that number of students benefited from each societies should be included in final summary table

8. INTERNSHIP AND INPLANT TRAINING

Presenter: Mr.S.Kathiravan, AP/Mech

Mr.S.Kathiravan, AP/Mech. briefed the Internship and Inplant Training as follows:

- a. Improvement in the Internship / Inplant training (2019-2020) from (2020-2021)
- b. Highlighted the names of Internship from Premium Institutions like IIT Delhi, IIT Bombay.
- c. Presented the Program outcomes (PO) and Programme specific outcomes (PSO) mapping with area of internship
- d. Revealed the number of Internship attended by the students in MoU Signed companies.
- e. Newly implemented course outcome for Internship/ Inplant training are explained.
- f. Presented year wise Internship/ Inplant training, conventional practices used and evaluation techniques.
- g. Internship mark statement, consolidated details and certificates has been sent to Anna University CoE office.
- h. Letter has been send to include Internship in listed course in Employability enhancement courses -Anna University Centre for Academics.

Suggestions given by the members

1. The committee offered suggestions to encourage students to participate in internships and in-plant training at all of the organisations with which we have signed memorandums of understanding.
2. Asked reforms/ identifications done for academic year 21-22
3. Suggested to incorporate quantitative measures in outcome attainment.

9. EDC, IIC & NISP

Presenter: Mr.M.Santhana Maruthu Pandian, AP/Mechanical

Mr.M.Santhana Maruthu Pandian, AP/Mechanical has briefed the activities of EDC, IIC & NISP as follows:

- a. The National Innovation and Startup Policy for students and faculty of Higher Education Institutions (HEIs) will enable the institutes to actively engage students, faculties and staff in innovation and entrepreneurship related activities.
- b. Startup policy, thus enabling creation of a robust innovation and Start up ecosystem across all HEIs.
- c. Tamil Nadu Start-up and Innovation Policy is presumed to nurture innovation, investment in R&D, infrastructure, knowledge creation, technological development and skilled manpower, resulting in high growth entrepreneurial ventures across the spectrum of sectors from agriculture, manufacturing, healthcare, education, logistics, social sector and urban development.
- d. Ramco Institute of Technology a part of the Ramco group which has more than 60 years of industrial exposure is committed to fulfill to objectives of NISP and TNSIP with a contribution from its side by enabling an innovation and entrepreneurial ecosystem.
- e. As a road map to this missionary vision, the RIT Innovation and Entrepreneurship Policy (RIT-IEP) is formulated under the guidance of experts from various fields including all the stake holders.
- f. Presented the Mission and Vision of RIT-IEP.
- g. Institution Innovation Council (IIC) of RIT was established in September, 2019. Under the guidelines of MoE Innovation Cell (MIC), various activities under the themes Innovation, Entrepreneurship, Start-ups and Intellectual Property Rights are being planned and conducted.
- h. These programmes are organized and executed through various cells of RIT including RIT Entrepreneurship Development Cell (RIT ED-Cell), RIT Intellectual Property Rights Cell (RIT IPR Cell).
- i. RIT IIC have secured 4 star rating for the academic year 2019 – 2020 (IIC 2.0)
- j. Patents filed – 8 and copyrights registered – 8.
- k. The students turned entrepreneurs are 8.

Suggestions given by the members

- Improve the number of IP portfolio.
- Encourage students to participate in more number of activities in future.

10. FACULTY PARTICIPATION AND PERFORMANCE

Presenter: Mr.N.L.Sujin, AP/Mech. and Dr.V.Sivakumar, ASCP/Mechanical

Mr.N.L.Sujin, AP/Mech. briefed the faculty participation as follows:

- a. Three faculty members Mr.M.Ramar, Mr.S.Kathiravan and Mr.P.Pavithran were appointed as Assistant Professors cadre and the student faculty ratio has improved from 21.68 (2019-20) to 18.22(2020-21).
- b. The faculty qualification improved from 12.75 (2019-20) to 15.5 (2020-21) by the sanction of promotion to three Assistant Professors (SG) (Dr.P.Sureshkumar, Dr.V.Sivakumar and Dr.S.Godwin Barnabas) to Associate Professors with effect from 01.01.2020.
- c. There is an increase in faculty participation in ATAL FDP (34 courses) and participation from reputed institutions (IIT - 5 Programmes & NIT - 4 Programmes) by the faculty members over the period. Emphasized the effectiveness of the program participation and implementation by the faculty members.
- d. The number of programs attended as a resource person by the 20 faculty members within RIT (28 programs) and outside RIT (Within the State: 20 and Other State:5 totally 25 Programs)
- e. The faculty members attended 53 - FDPs, 2 - Short Term Courses, 10- Training programs, 114 - Webinars, 13-Workshops and online courses during this period.
- f. The performance appraisal done with the revised pattern was discussed elaborately; identification of training needs, suggestions given by the committee members, implementation by the faculty members and its effectiveness was also discussed with two sample cases.

Dr.V.Sivakumar, ASCP/Mech. listed out the progress of the Research and Development activities as follows:

1. 31 numbers of proposals (Design & Materials – 9, Manufacturing, Thermal and Mechactronics & AI – each 5, Waste Management – 4 and Interdisciplinary – 3 (Mech.& CSE – 2 & Mech., Phy. & Che. - 1) have been submitted during 2020-2021 to various funding agencies like DST / SERB / IEI(I) / ISHRAE / TNSCST / FAER / NIAM Agri-Business Incubator

Suggestion by the members

- Enhance the number of interdisciplinary project proposal submission
- Collaborate to work with mathematical faculty and introduce mathematical modeling in the project proposal.

2. Reviewed the progress of the project "Design and Development of Dehydrating Device for Continuous Processing of Herbal Leaves" sanctioned under DST SSTP

Work completed:

- 100 % fabrication work completed
- Performance analysis was done with drying of Thulasi, Neem and Morunga leaves

Work in progress:

- The process parameters like velocity of air, drying time, electrical power input and mass of the herbal leaves are varied and experimental work is going on.
- Before and after drying the nutrition level will be tested in the laboratory

Outcome generated:

- Presented the various outcomes generated from the project in four international conferences

Suggestion by the members

- Submit a review paper and communicate one Journal paper from the outcome of the project.

3. Reviewed the progress of the sanctioned project "Industrial Automation using Smart Production Station" under AICTE MODROBS during June 2021.

Work completed:

- Installation of feeder, inspection and buffer station was over and the demonstration was given by the suppliers,

Work to be completed:

- Initiate the Phase II purchase activities

Work Plan:

- To give intensive training to the faculty members and students of RIT.

4. Reviewed the funded project "Design and Separation of Groundnut Pod Separator" under RuTAG IIT Madras and its outcomes (Product was developed and subjected to test run and a paper was presented in a National Conference)

Work completed:

- Confirmed the receipt grant: 24.08.2020
- First Review Meeting: 11.09.2020 (Online)
- Second Review Meeting: 08.12.2020(Online)
- Third Review Meeting: 10.02.2021(Online)
- Fourth Review Meeting: 04.03.2021(Online)
- Fifth Review Meeting: 15.07.2021(Online)

Work to be completed:

- Submit the detailed work plan to be carried out

Suggestion by the members

- Commercialize the product
- Apply patent
- Journal publication

5. Reviewed the project proposal "Dual Benefit in using the Waste Tyre for Wastewater Treatment and Production of Automotive Seals and Gaskets" under DST – WMT.

Work completed:

- Presented the content in front of Principal, Vice Principal and sponsors from industries and received feedback from them.
- Visited the municipal Waste Management Plant in Rajapalayam
- Presented the content during the final evaluation of the project and the result is awaited

Suggestion by the members

Scale up the product and measure the pressure drop in each stage and also study the physical and chemical examination properties of the water samples.

6. The status of the projects under review are SERB-SUPRA scheme - 2 (Materials and Thermal), IEI R&D Cell - 1(Design) & TNSCST student project scheme - 11 projects

7. Delivered the impact analysis and action taken for the projects submitted and Not –shortlisted / Not – recommended during this period under DST – WMT & TDT. Based upon the observations

- After incorporation of review comment(s), it will be communicated to the next proposal call
- Proposed the plan of action while submitting future proposals under Technology Development Transfer.

- Industry and host institute contribution in budget to be included
- Proof of concept must be submitted
- Patent search been done to identify the gaps
- Lab or pilot study to be done
- Specify the TRL in the project proposal
- Value addition must be there in the proposed technology
- Engineering flow sheet of proposed process
- SWOT analysis to be made
- Road Map for commercialization

8. Listed out the following
 Conference publications (Total - 37) (ICICSE-2020-Virtual Conference, IWCSET -2020, NWCCIET - 2021, ICROME 2021 and ICETET- 2021)
 Journal publications (Total - 20) (Materials Letters, Part E: Journal of Process Mechanical Engineering, Part J: Journal of Engineering Tribology, Journal of Thermal Analysis and Calorimetry, Fresenius Environmental Bulletin, Journal of Green Engineering, International Journal of computer communication and control, Journal of Rubber Research, Journal of Huazhong University of Science and Technology, Mechanics of advanced composite structures and Materials Today Proceedings)
- a. Article (1) - Third Annual Technical Volume of Electronics and Telecommunication Engineering Division
 - b. Copyright registered (4) - i) Industrial Automation Design for Beginners ii) Energy Conservation iii) Introduction to intellectual copyright and iv) Ideation of Projects
 - c. Book chapters (4) - Advances in Material Research, Springer Proceedings in Materials, Springer, Lecture Notes in Networks and Systems and Green Bio composites for Biomedical Engineering
 - d. Status of patents (Filed - 6, Received FER - 6, Response to objections: 5 responded and 5 yet to be responded) during this period.
 - e. Emphasized the continuous monitoring of research activities through Department Review Meeting.
 - f. Revealed the research promotional activities to be done by the department for the continuous improvement in the R&D section.
 - g. Conduct of Extramural Lecture Series – International and National
 - h. Offering internship to the students from the reputed institution like IIT Madras
 - i. Implementation of research culture by formulating various domain heads
 - j. Suggested to publish a paper in WoS / SCI(E) indexing

Suggestions given by the members

1. Create the pathway to appoint Honorary Professor in the field of Mechanical Engineering
2. Offer internship to the students in the R&D section and promote research activities
3. Establish global contact and publish papers with foreign universities

11. LABORATORY UTILIZATION BASED ON OBE

Presenter: Mr.J.Jerold John Britto, AP(Sr.Gr./Mech. and Mr.R.Prabhakaran, AP/Mech

- Manufacturing Laboratory
 - A new virtual laboratory development under IITM PALS-NITK Scheme in progress for the following experiments
 - Lathe: Drilling and Boring; Taper Turning Operation; External thread Cutting; Internal Thread Cutting; Square head shaping; Hexagonal head shaping; Contour milling using vertical milling operation; Plain surface grinding; Cylindrical grinding;
- Thermal Laboratory
 - Project Development
 - Ongoing - “Design and Development of Dehydrating device for continuous processing of herbal leaves” DST under STTP net worth of Rs.15,75,010/-.
 - Program Organized
 - Webinar on “Virtual laboratory: Heat Transfer (Conduction, Convection & Radiation)” during NOV 06,2020 (Number of student Participants: 40)
- Fluid Mechanics Laboratory
 - Program Organized
 - Webinar on “Virtual laboratory: FLUID MECHANICS (Pump, Turbine, Flow Rate) during NOV 10,2020 (Number of Participants: 32)

- STRENGTH OF MATERIALS LABORATORY
 - Students/Faculty have utilized Impact Test machine for their Project/Research purpose (Number of student batches benefited -3).
 - Faculty have utilized Muffle Furnace for their Research purpose (Number of faculty benefited -1).
 - Students/Faculty have utilized Hardness Test Machine (Brinell & Rockwell) for their Project/Research purpose (Number of students batches benefited -4).
 - Students/Faculty have utilized Universal Testing Machine for their Project/Research purpose (Number of students batches benefited -7).
- CAD LABORATORY
 - Students have utilized ANSYS® Software packages for their Project and Competition purpose (Number of students benefited -47).
 - Students have utilized NXCAD/CREO®/Fusion 360 Software packages for their Project and Competition purpose (Number of students benefited -66).
- RIT- HARITA CENTRE OF EXCELLENCE
 - Placement Training
 - Placement Orientation programme has been conducted for all the mechanical Engineering Students by Harita Experts.
 - 17 Students were undergone online virtual training on CATIA V6.
 - 3 students have been shortlisted
- MECHATRONICS LABORATORY
 - Competition
 - Students participated India Skill Competition & won first 6 places in District Level.
 - Lab Development
 - Established “Industrial Automation using Smart Production Stations” under MODROP-RURAL Scheme net worth of Rs. 17,75,667/-.
 - One Copyrights filed on Mechatronics Laboratory Manual.
- RIT-MEDSBY INNOVATION CENTRE
 - **Product Development:** Robotic Arm Component – Final year Project; Fixture components – Third year project; Robotic parts – Arm, Base, Wrist & Elbow; Effortless Screw drive - Third year project
 - **Competition**
 - IITM PALS NEXGEN3D Hackathon - Water bottle making without supporting material – won 1st and 2nd Prize worth of Rs.3000/- & Rs. 2000/-
 - IITM PALS Innawah – Mask vending machine – Spring
 - Library Assistance Bot
 - Automated Sorting Waste in dump yard in smart cities.
 - **Consultancy**
 - Completed for SACS MAVMM Engineering College, Madurai – 5 major parts (Die, Refill Container, Juice can container) net worth of Rs. 8,850/-
 - **Program Organized**
 - Webinar on “3D Printed Robotics and its Applications” during NOV 09,2020 (Number of Participants: 22)
- DYNAMICS LABORATORY
 - Program Organized
 - Webinar on “Hands on training: Virtual laboratory (Simple Pendulum, Mass Moment of Inertia & Proell Governor) during OCT 29,,2020 (Number of Participants: 20)

Suggestions by the Expert Members

- Get sponsor from Industry (Used product for demonstration purpose)
- Planning of Additional Experiments.
- Skill enhancement programme for Lab technicians.

12. ALUMNI ASSOCIATION INTERACTIONS

Presenter: Mr.M.Lakshmanan, AP(SG)/Mech.

1. Listed out the following

a. Guest lectures conducted through Alumni

S.No.	Date	Description
1.	06.09.2020	Student Alumni Enhancing Session “Gain Self Confidence” by Mr.M.Padmanapan (2015-19) , Junior Design Engineer, Harita Techserv Ltd.,TVS Motors Mr.P.Sankar Bharathi(2015-19) , Junior Design Engineer, Harita Techserv Ltd.,TVS Motors.
2.	17.09.2020	“Scope for Higher Studies in Abroad” by Mr.B.R.Harsath Samuel (2015-19) , MS Mechanical Engineering, Kaunas Technical University, Lithuania.
3.	27.09.2020	Scope in “Oil and Petroleum Industry” by Mr.R.Ajith Kumar (2014-18) Quality Engineer, Welding Inspector, ASNT Level II, Severn Glocon India Pvt. Ltd., Chennai.
4.	14.05.2021	A Webinar on “NON-DESTRUCTIVE TESTING” by Mr.N.Ramakrishnan (2014-18) , NDT Inspector, Lamprell Energy Ltd., UAE.
5.	19.06.2021	Online webinar titled “Scope in Mechanical Engineering after +2 / Diploma” by Ms. P. Keerthana (2015-19) , Associate Consultant, Krysalis Consultancy Services Private Limited, Chennai.
6.	11.07.2021	“Virtual Alumni Entrepreneurs meet”, More than 20 upcoming and current entrepreneurs attended this meeting.

a. Virtual Alumni Meet

S.No.	DATE	Description
1.	Feb 21, 2021 (Sunday) at 11.00 am	2013-2017 Batch Around 25 students actively participated.
2.	April 04,2021 (Sunday) at 11.00 am	2014-2018 Batch Around 40 students actively participated.
3.	May 30,2021(Sunday) at 11.00 am	2015-2019 Batch Around 70 students actively participated.

2. Highlighted the feedback received from the distinguished Almni

1. Additional Courses for students in the field of Mechanical Engineering

The courses given by the students are as follows:

- Diploma certification course in Fire and Safety.
- Courses in Welding, Painting and also in the field of oil and gas
- Non Destructive Testing.
- Cost Management Accounting course.
- IPR.

2. Higher Studies:

- Mr. Rajah Dharmalingam (Canada), Mr. Sibish Raghul (France) of Batch '2014-18 agreed to act as a **mentor** for our college students regarding higher studies guidance.
- Japanese, French additional language is an added advantage in all the companies and also for Higher studies and requested college to give language learning opportunities for students.

3. Training for students and Webinars:

- Motivational speech to students every two month that will enhance student skills' and they will get motivated.
- Communication skills are very important for the student to get placed.
- Creating awareness among the 3rd year and 4th year students in various job positions in the mechanical field.
- Give guidance to the juniors regarding Engineering service exams and TNPSC exams.
- Public sectors job training for students and awareness for GATE exams, etc.
- Soft skills training.
- Basics Reading of Drawings.
- Bill of Material.

4. Softwares:

- Students to be strong in Modeling, Drafting and assembly.
- Solidworks, CATIA, etc and Company specific software training should be given.
- Product lifecycle management (PLM) software.
- Programming languages like JAVA, Python.
- Microsoft Excel for data management and graph.

5. Trending Technologies:

- Automation is playing a very crucial role in recent days in companies.
- Machine Learning.

6. Research:

- Development of students research association in the department and college level.

7. Entrepreneur:

- Opportunities are high for Mechanical engineer as an Entrepreneur in Madurai, Tirunelveli regions in Molding process for that student should be strong in Design and also technically.
- Financial Management Courses should be taught to students.
- Managerial skills required addition to Technical Skills.

8. Placements:

- Categorize students according to their interest like Design, Manufacturing, Thermal, IT, etc. and training should be given.
- More Core companies can be invited for placement drives

General Feedbacks:

- Create a common platform for alumni students.
- Department is doing well and good in academics.
- Discipline learnt in our college helps us in our industry.
- Collaboration with foreign universities should be done.
- Ramco college name should be Notable.
- Gen Z students are very difficult for teachers. So, teachers need to update periodically according to them as well as in technology.

13. Listed out the support received from distinguished Alumni

- a) Alumni members participated in NBA peer Team Interactive Session at 06.03.2021.
- b) Acted as an Industrial Expert members for National Conference
- c) Guest Lectures given to our students.
- d) Placement training given to students by our Alumni Students.

- e) Admission Fees and scholarship details has been sent to Alumni Groups.

14. Highlighted the ongoing process with distinguished Alumni

1. RIT Alumni Association renewal process will be carried out based on audit report.
2. Alma shine alumni management software will be introduced.
3. Alumni Newsletter (Jan 2021 to Jun 2021) preparation is going on.
4. Motivational quotes will be sent on Every Monday in Alumni groups for regular touch with alumni members.

Suggestions by PAQIC members:

- a. Enhance the frequency of Alumni meet
- b. Share the content discussed with the Alumni to all the current students and faculty members

13. CONTINUOUS IMPROVEMENT

Presenter: Mr.L.Karthikeyan, AP/Mech.

NBA criteria-7 Coordinators: Mr.M.Ashokkumar, AP(SG)/Mechanical

Mr.L.Karthikeyan, AP/Mechanical

Mr.L.Karthikeyan, AP/Mech. briefed the continuous improvement as follows:

1. Presented the academic audit process and actions taken thereof during the period of assessment: from 26.09.2020 to 17.07.2021 and presented external audit (Annual surveillance dated: 29.01.2021) comments for scope for improvements.
2. Discussed the actions taken by the department to address the comments given by the external audit members and its implementation & effectiveness. (Table 13.1)
3. Presented ISO form refinement (TG 01 – Annual performance appraisal form) and its effectiveness towards teaching – learning process such as improvements in innovation & Teaching (Theory & Practical), improvements in teaching performance, more tangible outcomes in project work, Curricular gap/ Content beyond the syllabus plan, improvements in activities that contribute in student success, mentoring effectiveness, R&D activities improvement and more extract from Industry interaction & MoU's
4. Presented our department faculty involvement in the refinement of ISO forms (Class committee meeting, course committee meeting & feedback form parameters with proof's
5. Presented placement index improvement in 2019-20 (74.79%) & 2020-21 (84%) and compared with last three years. (Annexure 13.2)
6. Showed the quality higher studies progression in 2019-20 (IIT's/AU/VIT etc.,) (Annexure 13.2)
7. Presented improvements in entrepreneurs 2019-20. (Annexure 13.2)
8. Placement details of 2017-21 batch is presented and compared with previous years (73% core industries / 13% service industries / 14% IT sector). The students got placed in fifteen reputed companies.
9. Presented admission promotional activities and improvements in quality admission (2021-22) to the department

Suggestions by PAQIC members:

- ✓ Record the shortfalls (from various stakeholders) in previous year and analyze the reasons
- ✓ Do the process refinement (Academic audit) with the help of HOD, senior faculty & Criteria-2,3,4 coordinators
- ✓ Constitute department level academic audit consultative committee for continuous improvements
- ✓ Review the curricular gaps and its fulfillment by content beyond the syllabus with the help of domain in charges (Design/Manufacturing/Thermal) & Criteria -2 coordinators
- ✓ Report PO's/PSO's attainment of value added courses, Extracurricular and co-curricular activities
- ✓ Analyze the scope for improvements using more innovative practices with the help of domain in charges & Criteria-2, 5 coordinators

- ✓ Identify low PO's/PSO's attainment courses and plan for corrective actions
- ✓ Analyze the high attainment courses and record good practices followed by the respective faculty members for further improvements.

Table 13.1 Audit comments and its effectiveness

Audit date	Type of audit	Scope for improvement	Actions taken for Implementation	Effectiveness
29.01.21	External audit (Annual surveillance)	Effectiveness of review process in class & laboratory delivery / Mentor system (Ref: Ext audit minutes Sl.No 2)	Mentoring system is reviewed during DRM (Ref: DRM2/2020-21 Even Sl.No4)	Students performance improved in skill rack performance
		Procedural part – documents incorporated in the system wherever possible (Ref: Ext audit minutes Sl.No 8)	Mr.R.Arunkumar, AP/Mech created Canvas LMS for Dept. (Ref: https://canvas.instructure.com/courses/2149971)	All the dept. files are kept and posted in Canvas LMS and ready for quick access
		Improvement potential – To change the structure of department (Ref: Ext audit minutes Sl.No 1b)	<ul style="list-style-type: none"> ➤ Nomination of dept. academic coordinators is done (RAK/GPR) ➤ (Ref: DRM5/2020-21, Even Sl.No.4) ➤ Nomination of dept. Placement in charge is done (MSB) ➤ Nomination of domain head to strengthen dept. activities 	<ul style="list-style-type: none"> ✓ Strengthen Teaching – Learning process ✓ Improvement in placements & easy follow up ✓ Continuous dept. growth in all fields ✓ Improvements in R&D
		Lesson plan with micro level planning (Ref: Ext audit minutes Sl.No 5)	<ul style="list-style-type: none"> ➤ To plan micro level planning ➤ Usage of LMS ➤ CE's collected by each faculty ➤ Framing dept. Project QP 	<ul style="list-style-type: none"> ✓ Improved TL process ✓ 360^o learning environment ✓ Dynamic change

Table 13.2 Placement Index

Item	(2016-17)	(2017-18)	(2018-19)	(2019-20)	(2020-21)
Total No. of Final Year Students (N)	71	141	143	123 (111 willing)	118 (103 Willing)
No. of students placed in companies (x)	45	98	91	82	99*

No. of students admitted to higher studies with (y)	00	07	06	04*	After Graduation
No. of students turned entrepreneur (z)	01	02	06	06	After Graduation
x + y + z =	46	107	103	92	After Graduation
Placement Index: (x + y + z)/N	64.78	75.88	72.03	74.79	83.89 (only X is taken)
Average placement= (P1 + P2 + P3)/3	70.89			3.9% improvement (Last 3 years)	13% improvement (Last 3 years)

Higher Studies (26.09.2020 to 17.07.2021)

Student Name	Program to be graduated	Name of Institution joined
(2019-20)		
Mr. Gowtham G	Master of Engineering	Anna University, Chennai
Mr. Mohamed Siddiq M	Master of Engineering	Government College of Technology, Coimbatore
Mr. Upenthira I	Master of Engineering	Vellore Institute of Technology, Vellore
Mr. Arun Shenbaga Raj S	Master of Business Administration	SRM University, Chennai
(2016-17)		
Mr. Harikrishna S	Master of Engineering	Indian Institute of Technology Kharagpur

Entrepreneur (26.09.2020 to 17.07.2021)

Student Name	Type of business	Designation
(2019-20)		
Arun Shenbagaraj A	Startup: TN76 food delivery service, Tenkasi. www.tn76.in	Co-Founder
Ramar S	Family Business (Plastic items)	Owner
Thirunavukkarasan N M	Smart way - Online Shopping Business	Co-Founder
Vanniaperumal S	Textile business, Sankarankovil	Owner
Senthur R	Rajapalayam Biker's Pit shop	Owner
Venkateshwaraprasad P	Construction accessories	Owner

Prepared by

NBA Coordinator/Mech

Reviewed by
(HOD/Mech)

Approved by
Principal

PAQIC Meeting

1.2.8 Minutes of Program Assessment and Quality Improvement Committee (PAQIC) Meeting

Sl. No.	Name of the Faculty Member	Designation	PAQIC
1.	Dr. S.Rajakumarakan	Professor and Head / Mechanical	Convener
2.	Mr.M.Ashok Kumar	AP(SG) / Mechanical	Member
3.	Mr.S.Maharajan	Assistant Professor / Mechanical	Member
4.	Mr.R.Prabhakaran	Assistant Professor / Mechanical	Member
5.	Mrs.R.Kalaimani	Assistant Professor / Civil	Member
6.	Mrs.R.Chitra	Assistant Professor / ECE	Member
7.	Mr.A.Arunkumar	Assistant Professor / EEE	Member
8.	Dr.P.Selvaraj	Assistant Professor / Maths	Member
9.	Dr.P.Suresh Kumar	Associate Professor / Mechanical	Representative
10.	Dr.V.Sivakumar	Associate Professor / Mechanical	Representative
11.	Dr.S.Godwin Barnabas	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 / Mechanical	Representative
15.	Mr.C.Gururaj	AP(SG) / Mechanical	Representative
16.	Mr.J.Jahirith	AP / Mechanical	Representative
17.	Mr.L.Karthikeyan	AP / Mechanical	Representative
18.	Mr.G.Prabu ram	AP(SG) / Mechanical	Representative
19.	Mr.M.Santhana Maruthu Pandian	AP / Mechanical	Representative

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20.	Mr.R.Arun Kumar	AP / Mechanical	Representative
21.	Mr.R.Venkatesh	AP / Mechanical	Representative
22.	Mr.N.L.Sujin	AP / Mechanical	Representative
23.	Mr.T.Selva Sundar	AP / Mechanical	Representative
24.	Mr.K.Amudhan	AP / Mechanical	Representative

I. Review of Previous meeting (1st PA&QIC)

Presenter: Dr.P.Sureshkumar, ASCP/Mechanical

Dr.P.Sureshkumar briefed the 1st PA&QIC meeting content, suggestions given by the members and the action taken in the following heads:

- Dissemination of Vision, Mission, PEO and PSO
- Attainment of PO's, PSO's and Quality Objectives
- Program Effectiveness
- Quality Improvement Activities
- Program Activities, Progress and Status
- Faculty Participation, Paper Presentation/Publications Working Models and Research
- Result Analysis





Remarks from Members:

- HOD/MECH suggested that, the faculty members who are getting low percentage of feedback should be identified and they should be asked to improve the respective criteria in which they are getting low points.
- Members advised to analyze the reason for usage of training aids got low % in student's feedback.
- Members suggested that Special Training program should be conducted to the faculty member who got lesser feedback in usage of training aids.

PAQIC members from Department of Mechanical Engineering Mr.M.Maharajan AP/Mech., Mr.R.Prabhakaran AP/Mech. and Mr.M.Ashokkumar, AP(SG)/Mech. and representative Mr.T.Selvasundar, AP/Mech. extended their support to conduct this smooth meeting and contributed towards preparation of the minutes of meeting.

The valuable suggestions for improvements derived from the members of PAQIC will be seriously viewed and necessary activities will be taken at the prompt time for continuous improvements.


Prepared by
Dr.V.Sivakumar, ASCP/Mech.


Reviewed by
(HOD/Mech.)


Approved by
Principal

Minutes of Management Review Meeting

RAMCO INSTITUTE OF TECHNOLOGY, RAJAPALAYAM

Ref: Management Review Meeting/03

26 Feb 2018

Minutes of the Management Review Meeting

The Principal (Chairman of the Management Review Committee) conducted a meeting with the members of the Management Review Committee at 3.30 pm on 16.02.2018 (Friday) in ECE Seminar Hall and discussed the following items.

Members Present:

Dr.K.Vijalakshmi, HOD-CSE, Dr.S.Rajakarunakaran, HOD-MECH, Dr.S.Kannan, HOD-EEE, Dr.S.Basarikodi, HOD-Maths, Dr.S.Periyanyagi, HOD i/c -ECE, Mr.G.Karthikeyan, HOD i/c- Civil, Dr.K.Karthikeyan, A.P(SG)/EEE, Dr..B.Deepa Lakshmi, A.P(SG)/ECE, Dr.O.Senthikumar, AP/Chemistry, Mr.N.Karthikeyan, AP (Sr)/Physics, Mr. Mr.P.Suresh Kumar, AP(SG)/Mech, Mr.K.Subramanian, AP/Maths, Mr.K.Karpugavel, AP/Chemistry, Dr.G. Kanthimathi, AP/Chemistry, Mr.K.S.Selvaraj, DGM (Admin), Mr.R.Dhanasekaran, TPO, Dr.G.Veeramani, Physical Director, Mr.R.Chandran, Librarian

ITEM 1: Minutes/Action taken of previous meeting minutes

A previous Management Review meeting was conducted in 23.06.2017 in line with the requirements of ISO 9001:2015 and MRM procedure RIT-QP25. The minutes from the previous MRM were reviewed.

- Details of adequacy of resources such as
 - o Capital and Consumable requirements of the academic year 2017-18
 - o Faculty members recruited in the academic year 2017-18
 - o Library resources (books/journals) requirement of the academic year 2017-18

were reviewed and observed that there was no deviation from the Anna University affiliation requirements/AICTE regulatory requirements.

ITEM 2: Review of quality objectives, data and goals

The committee reviewed the Quality Objectives, targets and its attainment along with the corrective measures and preventive measures for the deviations, if any, for the academic year 2017-18 (details are presented in Annexure 1). Based on that, it is revised for the academic year 2018-19 and the same is given below. The details of revisions are indicated with bold italics.

Department	Objectives	Target
Each Department	♦ Achieving pass percentage in every subjects in End Semester Examination	Greater than 90%
	♦ Achieving pass percentage in every class in End Semester Examination	Greater than 85%
	♦ Achieving pass percentage in every department in End Semester Examination	Greater than 80%
	♦ Achieving pass percentage in every subjects in <i>Internal Test -1</i>	Greater than 80%
	♦ Achieving pass percentage in every class in <i>Internal Test -1</i>	Greater than 75%
	♦ Achieving pass percentage in every subjects in <i>Internal Test -2</i>	Greater than 85%
	♦ Achieving pass percentage in every class in <i>Internal Test -2</i>	Greater than 80%
	♦ Achieving pass percentage in every subjects in <i>Internal Test -3</i>	Greater than 90%
	♦ Achieving pass percentage in every Class in <i>Internal Test -3</i>	Greater than 85%
	♦ Participation in Conference/ Seminar/ Workshop/ FDP, etc.	One per semester per faculty member
	♦ Presentation/Publication in National/International Conferences/Journals	One per year per faculty member
	♦ Completion of Online courses through Coursera/edX/MIT/NPTEL, etc.	One per Semester per faculty member For students, As per the Anna University regulations 2017
	♦ Submission of Project proposals to funding agencies	One per year per <i>faculty member(s)</i> having Ph.D
	♦ Organizing conference/seminar/ workshop/FDP, etc.	One per year
	♦ Conducting Guest Lecture/Special Lecture	Two per semester
	♦ Organizing value added courses/certification courses	As per the Anna University regulations 2017
	♦ Faculty Industrial Visit	One per faculty per year
	♦ Virtual Laboratory Experiments	Two per semester
	♦ Signing of MoU with Industry	Two per year
	♦ Organising Skill Development Programme for Non-Teaching Staff	One per year
♦ Patent Filing	One per year	
♦ Student Industrial visit	As per the Anna University regulations 2017	

	♦ Internship at Research organization / University (after due approval from the Department Consultative Committee)	As per the Anna University regulations 2017
	♦ Student Industrial training	As per the Anna University regulations 2017
	♦ Professional Society activities	One per semester
Training and Placement	♦ Organizing skill development program for all Students.	One per semester
	♦ Placement of students	Minimum 75% of eligible Students
Entrepreneurship Development Cell (RIT E-Cell)	♦ Orientation/Awareness Programme	Two per semester per year
Library	♦ Increase in the No. of Books/ e-Books in Central Library/ Book Bank	As per AICTE norms
	♦ Subscribing to Journals/e-Journals	
Physical Education	♦ Sports, Games, Drills and Physical exercises	As per the Anna University regulations 2017
NSS	♦ Conducting activities related to social services in and around College	As per the Anna University regulations 2017
YRC	♦ Conducting activities related to social services in and around College	As per the Anna University regulations 2017

ITEM 3: Review of the needs and expectations of interested parties

The committee reviewed the needs and expectations of interested parties given in the RIT Quality Manual and accepted as it is for the academic year 2018-19 and suggested additions will be included in the manual.

ITEM 4: Review of the Internal and External issues

The committee reviewed the external and internal issues given in the RIT Quality Manual and accepted as it is for the academic year 2018-19 with following additions:

- Issue regarding student leave: Hostel students request related to leave, it was properly addressed and the leave details are indicated in the student academic schedule for the academic year (2017-18).

- Issue regarding Suggestion Box/Complaint register: It was properly addressed and the respective HODs and Process owners are requested to take necessary action after the consultation with the Principal. Based on the AICTE guidelines, online grievance redressal mechanism also activated in the institution from this academic year 2017-18.

ITEM 5: Review of the Vision, Mission, PEOs of the departments, short term and long term Goals

The committee reviewed the Vision, Mission, PEO of all departments and short & long term goals given in the RIT Quality Manual and accepted as it is for the academic year 2018-

19.

Regarding short term goals, except "To start Postgraduate Programme in emerging and future oriented disciplines of Engineering and Technology" all other goals were met. This goal will be met after getting NBA accreditation for all the five programme.

ITEM 6: Review of the Adequacy of the resources

The respective Head of the Departments and Process owners are requested to prepare the required resources for the academic year 2018-2019 and submit the same to the Principal before Feb 2018 under the following headings.

- Details of Faculty members to be recruited to meet the work load/as per University norms
- Details of Library resources (Books/journals)
- Details of Sports facilities requirement
- Details of Training and Placement requirement

ITEM 7: Review of Academic Process Performance

The committee review the report of analysis of Odd semester results (January 2018 Anna University Examination Results) for all the departments. The respective HOD is responsible to take action for improvement (deviations from Quality objective 2017-18, if any) in consultation with the Principal.

ITEM 8: Review of stakeholder's feedback

The committee reviewed the feedback collected from various stakeholders for the Odd Semester 2017-18. Based on the status of student feedback analysis report, it is found that only 1 faculty member scored less than our institution threshold (70%). The respective HOD is responsible to take action for improvement in consultation with the Principal.

ITEM 9: Internal Audit Results

The committee reviewed the report of the status of internal audit which was conducted from (Internal Audit 6). All the observations and findings of these audits were properly closed by taking appropriate corrective measures. The details are presented in the Annexure 2.

ITEM 10: Document Change and Control/Preventive and Corrective action

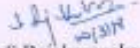
The committee reviewed the details of document change record and obsolete documents along with preventive and corrective action for the academic year 2017-18.


ITEM 11: Review of First Annual Surveillance Audit Observations and Findings

The committee reviewed the report of First annual surveillance audit observations and findings for the academic year 2017-18. All the observations and findings of these audits were noted for further follow-up and actions.

ITEM 11: Items for Follow-up in Next Meeting

- Next Meeting: Scheduled on Aug 2018.
- Item 6: Adequacy of resources needs follow-up in next meeting

 10/3/18
 10/3/18
Dr. S. Periyannayagi / Dr. S. Rajakarunakaran
Management Representative (s) - ISO 9001:2015


16/3/18
PRINCIPAL

Copy to

- All HODs/DGM
- Exam Cell Incharge, Physical director, Librarian, TPO, NSS Officer
- File