



# 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 2021 – 2022

### Minutes of Meeting – 4<sup>th</sup> Program Assessment & Quality Improvement Committee (PA&QIC)

Date of Meeting : 08.02.2022 (Tuesday)  
Time of Meeting : 2:30 PM to 4:30 PM  
Reference : RIT/EEE/PA&QIC/04  
Venue : EEE Seminar Hall

#### 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.	Dr. B. Deepa Lakshmi	Associate Professor / EEE	Member
4.	Mr. D. Karthik Prabhu	AP(SG) / EEE	Member
5.	Mr. N. Ganesh	AP (SG) / EEE	Member
6.	Mrs. C. Subha	AP (SG) / Civil	Member
7.	Dr. M. Gomathynayagam	Associate Professor / CSE	Member
8.	Mrs. G. Gnanapriya	AP (SG) / ECE	Member
9.	Mr. J. Jerold John Britto	AP (SG) / Mechanical	Member
10.	Dr. T. Vigneshwari	AP (SG) / Physics	Member
11.	Mr. E. Thangam	AP (SG) / EEE	Representative
12.	Mr. S. Meenakshi Sundaravel	AP (SG) / EEE	Representative
13.	Mr. A. Arun Kumar	AP / EEE	Representative
14.	Mr. A. S. Vigneshwar	AP / EEE	Representative
15.	Mrs. S. Jeyanthi	AP / EEE	Representative
16.	Ms. S. Sharmila Kumari	AP / EEE	Representative
17.	Mrs. G. Sivapriya	AP / EEE	Representative
18.	Mr. A. Guna	AP / EEE	Representative

*Handwritten signature and date: 08/02/22*

## The agenda of the meeting

Sl. No.	Topics to be present
1a	Review of Previous meeting (3 <sup>rd</sup> PA&QIC)
1b	Dissemination of the revised PEOs & PSOs
2a	Teaching and Learning : (i) Curricular Gap and content beyond syllabus, (ii) Innovative methods practiced and its implications, (iii) Action taken for slow learners and bright students, (iv) Question paper quality improvement
2b	Institute – Industry Interactions and its impact - Internship & In-Plant Training
3	Attainment of COs, POs, PSOs with program effectiveness (2020-2021)
4a	Student Participation: Professional Societies and Technical Association
4b	Student Participation: Inter-Institute events and online course
5	Faculty Performance, Participations, online course and Research and Development activities
6	New facilities created & Laboratory utilization
7	Continuous Improvements
8	Alumni Interactions
9a	Training and Placement Progress
9b	EDC & Carrier Guidance Cell activities
9c	Student Feedback and Analysis
10	Budget allocation and Utilization (2021-22)
11	Any other matter

### 1A. REVIEW OF PREVIOUS MEETING (3<sup>RD</sup> PA&QIC)

Presenter: Dr. K. Karthikeyan, ASCP/EEE

- The contents discussed during the 3<sup>rd</sup> PAQIC meeting, suggestions given by the members and actions taken for those suggestions are presented.
- The 1<sup>st</sup> cycle NBA marks and comments for the Criteria 1 have been presented and the moderation committee suggestions are also presented in the meeting.
- The action plan to improve the score in the criteria 1 during 2<sup>nd</sup> cycle has been presented.



### Suggestions given by the members

- Each and every criteria presentation, the quantitative data has been provided.
- In addition to summary, some additional information can be given.
- The feedback from the Alumni and recruiters can be obtained regularly.
- Members suggested that the corresponding process owners can present their action plan taken for the previous meeting suggestions for easier follow up.

### 1B. DISSEMINATION OF THE REVISED PEOS & PSOS

Presenter: Dr. K. Karthikeyan, ASCP/EEE

- The Institute and department Vision and Mission are disseminated to the members.
- The revised PEOs and PSOs are presented.
- The procedure used for getting the revised PEOs and PSOs has also been presented.

### Suggestions given by the members

- Members suggested writing the revision procedure carefully so that the peer team visit experts should appreciate the efforts taken by the department.
- Members suggested disseminating the revised PSOs and PEOs to the various stakeholders regularly.
- Members suggested that the course files should be verified for the correct PEO and PSO usage.
- Members suggested evaluating the attainment of the existing PEOs and analyzing the same and taking appropriate actions.



## 2A. TEACHING AND LEARNING PROCESS

Presenter: Mrs. S. Jeyanthi, AP / EEE

1. The curriculum gap identification process was presented. The analysis was done by forming three different streams like Power System engineering stream, Power Electronic stream and other allied streams.
2. The members suggested assessing the outcome of the value added course. Also, the assessment must be mapped with PO and PSO attainment calculation.
3. The curriculum has been identified by involving various stake holders such as faculty members, student members, industry members and alumni members. Sample theory course (Linear Integrated Circuits and applications) and laboratory course (linear integrated circuits laboratory) was shown to the members.
4. The list of content beyond the syllabus was shown. The details of sample courses are as follows:

Sl. No	Semester / Year / Dept.	Course Code & Title	Content Beyond the Syllabus
1	III Semester B.E. EEE	EC8353 - Electron Devices and Circuits	Construction, operation, characteristics and applications of OLED
2		EE8301 - Electrical Machines – I	Forward and Reverse control of DC motor
3	V Semester B.E. EEE	EE8501 – Power System Analysis	Power System Deregulation
4		EE8551 - Microprocessors and Microcontrollers	Basics of Arduino and simple programming
5	VII Semester B.E. EEE	EE8702 - Power System Operation and Control	Introduction to Smart grid
6		EE8703 - Renewable Energy Systems	National Solar Mission 2022, Tamil Nadu Vision 2023 Policy

5. The innovative practices that have been used by the faculty members were listed. The sample documents have shown. Members have advised to measure the outcome of the practices used shall be measured and suitable POs and PSOs attainment shall be improved.
6. The members suggested to find the suitable way of evaluation CO6 (Course outcome corresponding to Psycho motor domain).
7. The activities for slow learners and advanced learners were presented. Members appreciated for organizing a special programme like “Art of Learning”, and Class Test for slow learners and online courses, project contest for advanced learners. They also suggested including few samples in the presentation slide.
8. It was presented the mechanisms to improve the quality in examination process such as question paper evaluation form and answer sheet evaluation form by Head of the Department. The sample evaluation forms were shown. Recently, RIT –Examination control office has centrally conducted a question paper audit by external experts. The report of the audit was also presented. The

members advised to incorporate the suggestions received from the report in the upcoming semester (2021-22 Even Semester)



## 2B. INSTITUTE – INDUSTRY INTERACTIONS AND ITS IMPACT - INTERNSHIP & 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

Sl. 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

Sl. No.	Name of the Resource Person & Address	Program Name	Date & Duration
1.	Mr. E. Thangam, AP(SG) – EEE, Ramco Institute of Technology, Rajapalayam.	Industry Institute Lecture Series – 7 “Industrial Electrical Safety”	28.11.2021 1 hour 30 minutes

**b) Consultancy Initiatives:**

**Name of the Company:** Gowrihouse Metal Works LLP, Rajapalayam

**Name of the Work:** Electrical Energy Audit and Industrial Electrical Safety Audit

**Duration:** 3 Months

The following faculty and student members are involved in the consultancy work.

**Faculty Members**

Mr. D. Karthik Prabhu, AP(SG) – EEE

Mr. E. Thangam, AP(SG) – EEE

**Student Members**

R . Rakeshkannan (Reg.No. 953618105019)

V. R. Ugesh (Reg.No. 953618105026)

S. Vinodh (Reg.No. 953618105303)

**c) EEE Department MoU's with 24 Industries**

<ul style="list-style-type: none"> <li>• Ramco Group of Textile Division, Rajapalayam</li> <li>• Gowri House Metal Works, Rajapalayam</li> <li>• Minniyal Private Limited, Krishnankoil</li> <li>• Dynamic TEK, Chennai.</li> <li>• MEDSBY Healthcare AND Engineering Solutions, Coimbatore.</li> <li>• TVS training and services, Chennai.</li> <li>• Ramco Cements Ltd., Chennai.</li> <li>• Ramco systems Ltd., Chennai.</li> <li>• Ramco Industries Ltd., Chennai.</li> <li>• TCSion, Chennai.</li> <li>• M.S. Chellamuthu Trust, Madurai</li> <li>• Enthu Technology Solutions India Private Limited, Coimbatore</li> </ul>	<ul style="list-style-type: none"> <li>• Crystal Delta, Chennai</li> <li>• Geons Logix</li> <li>• Tessolve Semiconductor Pvt. Ltd., Bangalore</li> <li>• NI Systems Private Limited, Bangalore</li> <li>• Imarticus Learning Pvt Ltd</li> <li>• Great Learning</li> <li>• Aravind Herbal</li> <li>• Eureka education group</li> <li>• V-Invent Chemilab Private Limited, Rajapalayam</li> <li>• Raja Nursery Garden, Rajapalayam.</li> <li>• TRY CAE</li> <li>• Skill Shark</li> </ul>
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**d. Impact Analysis**

Sl. No.	Name of the Company	Impacts
1.	Tessolve Semiconductor Pvt. Ltd., Bangalore	5 students got placed in Tessolve semiconductors Pvt Ltd, Bangalore (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 medsky 3D printer
7.	Enthu Technology Solutions India Private Limited, Coimbatore	Industrial Visit - 55 students have underwent Industrial visit to Enthu 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

#### e. 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

#### f. 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 Tech Mahindra, 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

- a. 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.
- b. 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**

Sl. 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

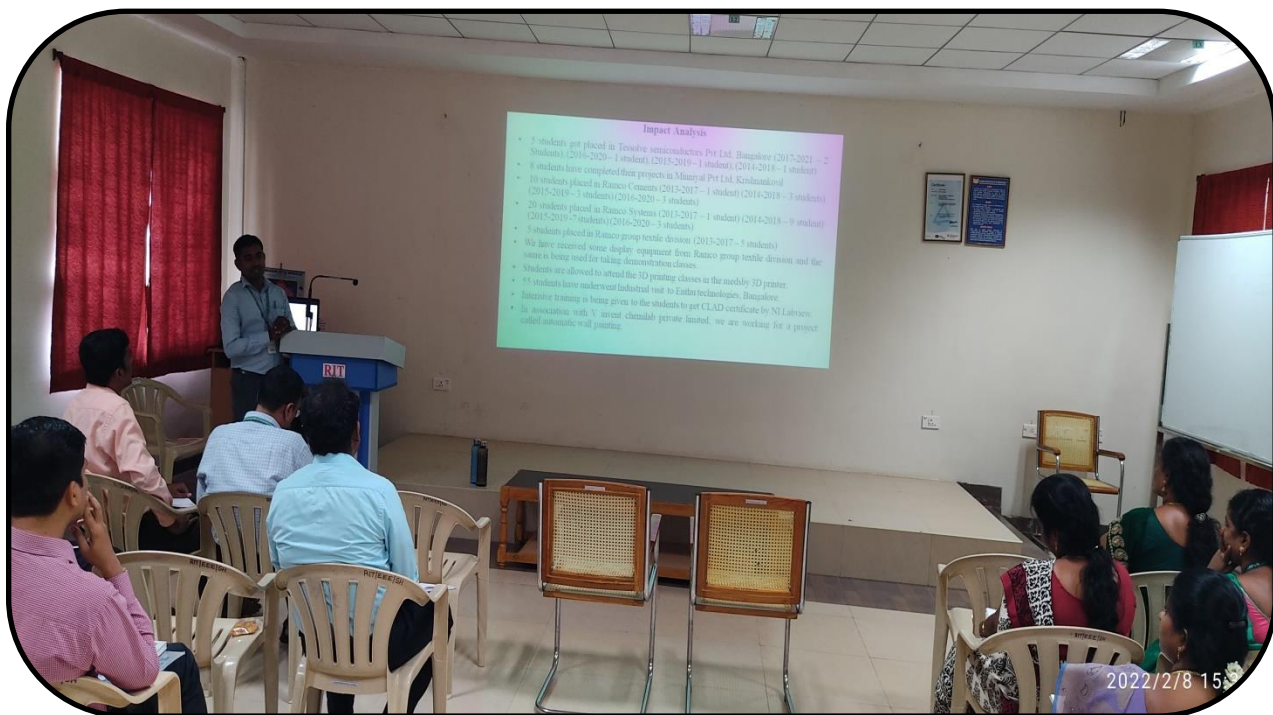
**b. Student Internship Progress:**

Sl. No.	Class & Name of the Mentor	Student Strength	No. of students completed the Internship as per Norms (15 days)	No. of students not completed the Internship as per Norms (15 days)
1.	IV Year EEE Mr. E. Thangam	15	11	04
2.	IV Year EEE Mr. D. Karthik Prabhu	14	08	06
3.	III Year EEE Mr. A.S. Vigneshwar	12	4	8
4.	III Year EEE Mr. N. Ganesh	13	6	7
5.	III Year EEE Dr. K. Karthikeyan	08	NIL	8

6.	II Year EEE – A S. Meenakshisundaravel	16	NIL	16
7.	II Year EEE – A Ms. S. Sharmilakumari	15	NIL	15
8.	II Year EEE – B Mrs. G. Sivapriya	15	NIL	15
9.	II Year EEE – B Mr. A. Guna	15	1	14

**c. Industrial Visits:**

Sl. No	Class/Semester	Class Strength	Name of the Company	No of Students Visited
1	II Year / III Semester B.E.EEE	61	Sri Ramco Spinners, Rajapalayam	61
2	III Year / V Semester B.E.EEE	33	The Ramco Cements Limited R R Nagar	33 Got Approved, Planned to Visit in this Month
3	IV Year / VII Semester B.E. EEE	29	Rajapalayam Mills Limited, Rajapalayam	29



### Suggestions from the members:

- At the end of each semester, a greater proportion of students may be encouraged to participate in industrial training.
- Encourage students to work on projects in the industry, which will strengthen industry-institute interactions.
- MoU utilization needs to be improved.
- Need to take steps for signing MoU with reputed institute for the benefit of students and faculty members.

### 3. ATTAINMENT OF COs, POs, PSOs WITH PROGRAM EFFECTIVENESS (2020-21)

**Presenter:** Mr. A. Guna, AP/EEE

- 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 from the Academic year 2019 – 20.  
10% weightage has been given to Course Exit Survey for calculating Course outcome for the individual courses.
- c. Course Outcome Target Setting Procedure for CO Attainment – R 2017

Batch	Target Attainment
2017 -2021 (Average of GPA <sub>1</sub> )	1.8 for Theory Courses & 2 for Laboratory Courses/Projects
2018 -2022 (Average of GPA <sub>2</sub> )	Target <sub>1</sub> = Average of GPA <sub>1</sub> × 0.3
2019 -2023 (Average of GPA <sub>3</sub> )	Target <sub>2</sub> = Maximum of $\left( Target_1, \left( \frac{AGPA_1 + AGPA_2}{2} \right) \right)$
2020 - 2024	Target <sub>3</sub> = Maximum of $\left( Target_2, \left( \frac{AGPA_1 + AGPA_2 + AGPA_3}{3} \right) \right)$

- d. Details of not attained courses – R 2017

Batch	Details of not attained courses
2017 -2021	<ul style="list-style-type: none"><li>• HS8151 Communicative English</li></ul>

	<ul style="list-style-type: none"> <li>• BE8252 Basic Civil and Mechanical Engineering</li> <li>• MA8353 Transforms and Partial Differential Equations</li> <li>• EE8391 Electromagnetic Theory</li> <li>• EE8301 Electrical Machines - I</li> <li>• EC8353 Electron Devices and Circuits</li> </ul>
2018 – 2022 up to VI Semester	<ul style="list-style-type: none"> <li>• MA8151 Engineering Mathematics – I</li> <li>• PH8253 Physics for Electronics Engineering</li> <li>• EE8391 Electromagnetic Theory</li> </ul>
2019 – 2023 up to IV Semester	<ul style="list-style-type: none"> <li>• HS8151 Communicative English</li> <li>• GE8151 Problem Solving and Python Programming</li> <li>• BS8161 Physics and Chemistry Laboratory</li> <li>• MA8251 Engineering Mathematics - II</li> </ul>

e. Details of CO-PO Mapping for the batch 2017 – 2021

PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Map.	2.7	2.2	1.8	1.7	1.5	1.9	1.6	1.3	1.9	1.5	1.7	1.5

f. Details of CO-PSO Mapping for the batch 2013-2017, 2014-2018, 2015-2019, 2016-2020

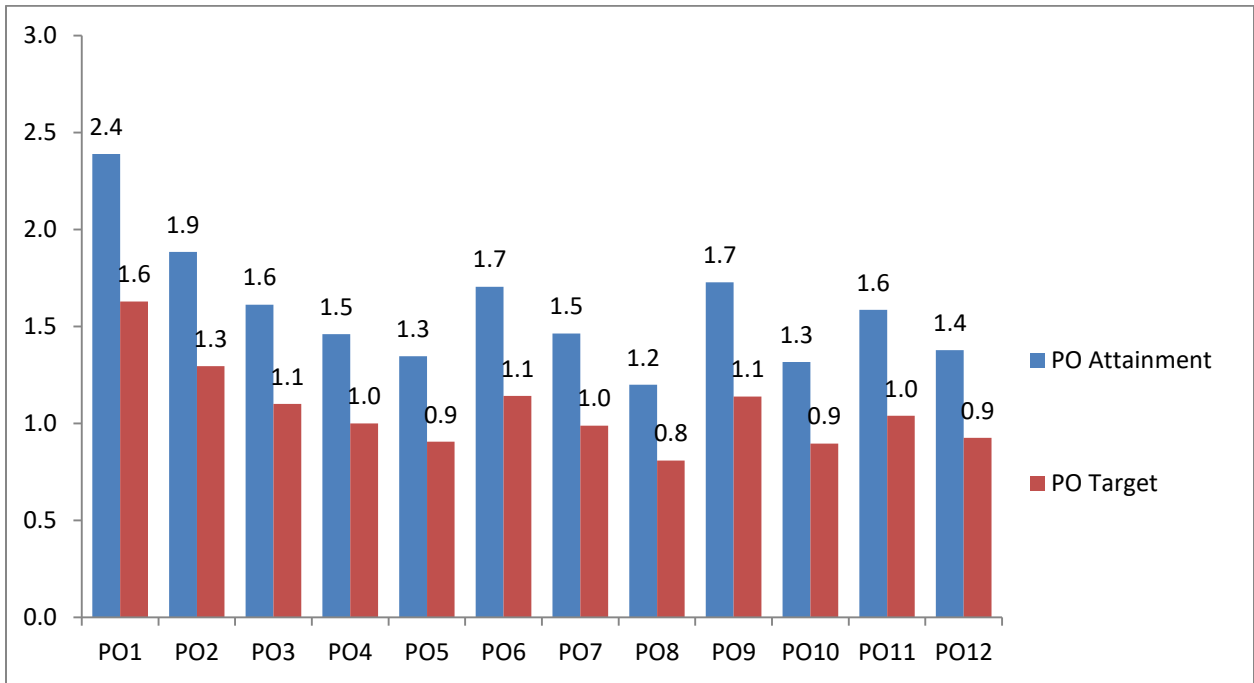
PSO	PSO1	PSO2	PSO3	PSO4
Map.	1.9	1.8	1.5	1.5

g. Target Setting Procedure for PO & PSO Attainment – R 2013

Batch	PO / PSO Target
2017 – 2021	60 % of Mapping 1.8

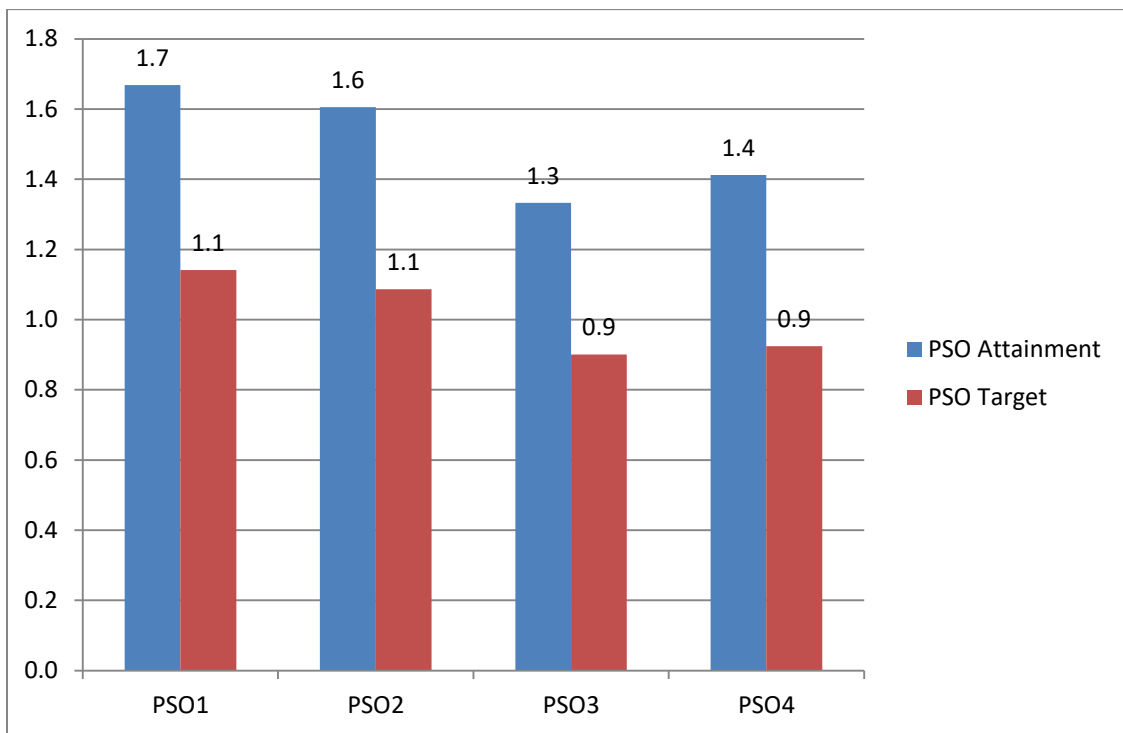
h. Details of PO Attainment

PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
PO Mapping	2.7	2.2	1.8	1.7	1.5	1.9	1.6	1.3	1.9	1.5	1.7	1.5
Target 60% of Mapping	1.6	1.3	1.1	1.0	0.9	1.1	1.0	0.8	1.1	0.9	1.0	0.9
PO Attain.	2.4	1.9	1.6	1.5	1.3	1.7	1.5	1.2	1.7	1.3	1.6	1.4



k. Details of PSO Attainment

PSO	PSO1	PSO2	PSO3	PSO4
PSO Mapping	1.9	1.8	1.5	1.5
Target 60% of Mapping	1.1	1.1	0.9	0.9
PSO Attain.	1.7	1.6	1.3	1.4



### I. Actions to be taken to get Maximum Score in Criterion 3

- CO-PO Mapping, CO- PSO Mapping, Target Calculation Procedure, Course Outcome Calculation Procedure, PO/PSO Outcome calculation procedure should be familiar to all faculty members.
- Every faculty member must be able to give a proper unique justification about the all the process which we are following in attainment calculation.
- The Course file should be prepared with utmost care, and all evidences should be provided on the spot.
- HoD and all faculty members, please try to take steps in the attainment of PO- 6 to PO-12, because these attainments cannot be attained in the class room delivery.



### Suggestions given by the members

- Members suggested that all faculty members to refer the examination reform policy and do the mapping effectively for all the courses.
- Value added courses and other activities which are contributing PO attainment can be included for attainment calculation.

### 4A. STUDENT PARTICIPATION: PROFESSIONAL SOCIETIES AND TECHNICAL ASSOCIATION

Presenter: Mr. A. Arun Kumar, AP / EEE

- The events organized by the professional societies IE(I), IEEE and student technical association RIT-Electra has been presented.

- The details of the events like resource person, date and duration and number of students benefitted from the events are presented.

### Suggestions given by the members

- The members suggested that alumni interactions shall be planned under professional societies.
- It was recommended to show the details of prize winners in Engineers' science day event in the presentation.
- The members suggested that, if student's participation is increased at intra or inter level the appropriate numbers shall be mentioned for quick verification.
- The members appreciated for conducting many events conducted with Alumni members and effort that has been made for quality improvement in Technical magazine.
- As commented by NBA peer team members, the frequency of organizing International conferences has been changed from once in two years to once in a year. The members have appreciated it.



### 4B. STUDENT PARTICIPATION: INTER-INSTITUTE EVENTS AND ONLINE COURSE

The points presented in the 4<sup>th</sup> PAQIC meeting by **Mr. N. Ganesh, AP (SG)/EEE** are as follows,

#### Summary of Inter-Institute Events attended by the students:

Sl. No	Name of the Event	No. of students participated / completed		
		IV year	III year	II year
1	Online Course	4	-	3
2	Internship	7	2	5
3	Technical Quiz	3	3	4

4	Webinar	3	-	-
5	Project Contest	-	-	1

**Summary of Online Courses pursued by students:**

Year	No. of Students registered	No. of students Completed
IV	10	4
III	10	0
II	26	7

**Details of Online Courses pursued by students:**

Sl. No	Course Name	Platform (edX/Coursera)	No. of students completed this course
1.	Programming for Everybody (Getting Started with Python)	Coursera	4
2.	Introduction to Power Point	Great Learning Academy	2
3.	Affinity Publisher for Beginners	Udemy	1
4.	Basics of Machine Learning	Great Learning Academy	1
5.	Machine learning Onramp	Mathworks	1
6.	Ethical Hacking	Coursera	1
7.	Software Security	Coursera	1
8.	Microsoft Advance Excel Quiz	Itronix Solutions	1
Total			12

**Criteria – 4 NBA Marks:**

Maximum Marks	Marks Awarded	Remarks
150	106	Moderation Report requested by NBA

**Comments from Moderation Team:**

ITEM No.	PARAMETERS / SUB - PARAMETERS	OBSERVATION OF VISITING TEAM / MODERATION TEAM
4.1	Enrolment Ratio	<b>Needs improvement</b>
4.2	Success Rate in the stipulated period of the program	4.2.1 Success rate without backlogs in any Semester / year of study Without Backlog means no compartment or failures in any semester / year of study <b>Needs improvement</b>
4.5	Placement, Higher studies and Entrepreneurship	<b>Needs improvement</b>
4.6	Professional activities	4.6.2 Publication of technical magazines, newsletters, etc. <b>Quality is poor, Participation is less.</b>

**Actions to be taken to get Maximum Score in Criterion 4:**

- Student enrolment ratio should be maintained through various admission promotional activities.
- The success rate of the students should be improved in the successive academic years and the backlogs (if any) should be reduced.
- Students should get job offers from higher CTC companies.
- The number of students pursuing Higher Studies in reputed Institutions in India and abroad should be increased.
- Students should be motivated and encouraged to become entrepreneurs.
- Students should actively involve themselves in events conducted by department technical association/professional societies such as IE(I), IEEE and ISTE for enhancing their skills.

**Suggestions by External member:**

- The number of students pursuing Higher Studies in reputed Institutions in India and abroad should be increased.



**5. FACULTY CONTRIBUTIONS AND R & D ACTIVITIES**

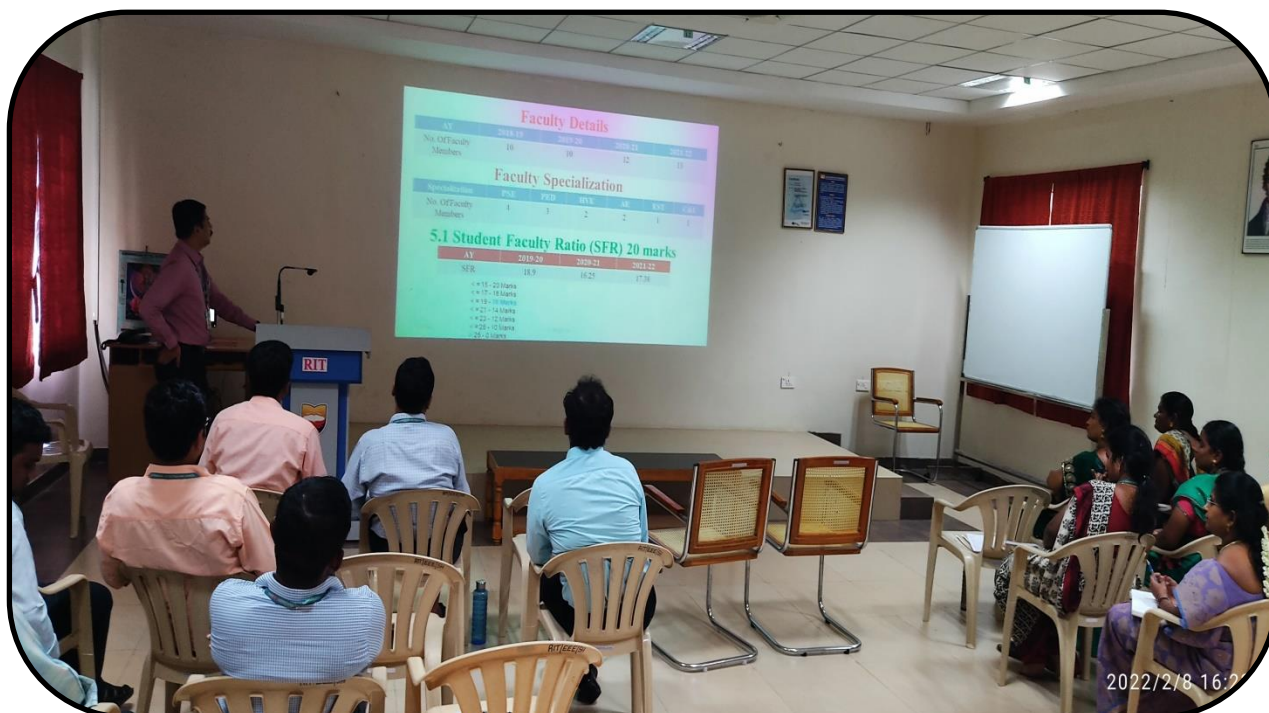
Presenter: Mr. D. Karthik Prabhu, AP (SG) / EEE

- Presented the faculty cadre proportion, student faculty ratio, faculty Qualification, faculty retention, Innovations by faculty in Teaching and learning, faculty participation in FDPs, STTPs, training programs and workshops, faculty publication and research proposal submission, patent details, developmental activities, consultancy activities for the odd semester of academic year 2021-2022 based on the NBA requirements.

- Briefed the online courses completion by the faculty and appearance as resource person in the events.
- Presented the action taken for the last meeting suggestions by the members.

### **Remarks from Members:**

- Members suggested that present the quantitative data for faculty members uploaded their lecture materials in Slide share and you tube, patent applied details, book chapters, copy right, lab manual, charts, monogram, working models of projects.
- Members suggested that take necessary steps for appointing Adjunct Faculty at the earliest.
- Members suggested that increase the consultancy activities and also suggested start the consultancy activity with small scale industries.



## **6. NEW FACILITIES CREATED & LABORATORY UTILIZATION**

Presenter: Mr. S. Meenakshi Sundaravel, AP (SG)/EEE

- Establishment of New laboratory - IoT laboratory, utilization of department labs for Science day celebration and virtual lab utilization are presented.
- Members suggested improving the utilization of additional facilities in the laboratories and project laboratory. Utilization register must be updated and maintained regularly.
- HoD suggested updating the maintenance record for each lab periodically and doing the necessary arrangements for calibration of lab equipment.
- HoD suggested criteria - 6 coordinator to coordinate the preparation of lab manuals, master record and collection of sample records through corresponding lab in charges for every semester.
- HoD and members suggested presenting the percentage of utilization for virtual labs.



## 7. CONTINUOUS IMPROVEMENTS

Presenter: Mr. A. S. Vigneshwar, AP /EEE

- The student admission statics has been presented and it is emphasized that the quality of the admission has been improved.
- The placement statistics has been presented for the five consecutive years.
- The ISO form refinements leading to academic improvements have been presented.
- He also pointed about the ISO external audit comments, scope for improvement, actions taken for implementation and its effectiveness.



## Suggestions from the members

- Members suggested to calculate placement percentage in terms of total number of students placed from total strength not in terms of total number of students opted for placement.
- Members suggested including internal audit report and its corrective actions.
- Members suggested including action taken from external surveillance ISO audit.
- HoD suggested fixing the target for number of students opting for entrepreneurship (10%) and higher studies (10%).

## 8. ALUMNI INTERACTIONS

**Presenter:** Dr. K. Karthikeyan, ASCP / EEE

- He has presented the alumni interactions happened in the department during this period.
- The previous meeting suggestions and the actions taken for those suggestions have been presented in the meeting.



## Suggestions from the members

- Members suggested conducting the alumni meet in various cities of Tamil Nadu.
- Members suggested that the department coordinator should ensure that all the alumni are joined in Almashine software.
- Members suggested nominating one alumnus / alumna for each batch passed out.
- Members suggested that the alumni activities can be planned in the professional societies.

## 9A. TRAINING AND PLACEMENT PROGRESS

Presenter: Mr. A. S. Vigneshwar, AP /EEE

- The placement statics for the last academic year has been presented. The placement percentage is 91, out of 23 students opted for placement 21 students got placed.
- He has also presented the industrial sector wise placement details and companies visited for the on campus recruitment.
- Highest CTC: 4 LPA, Average CTC: 2.62 LPA & Lowest CTC : 2 LPA
- Students placed in Sector Wise: IT - 6, Core – 13, & others – 2
- All the training details are also presented.



### Suggestions from the members

- The placement percentage should be calculated for the total number of students, not for placement opted students.
- The quality of the placement should be improved.
- HoD told that the placement training should be given from the first year onwards.

## 9B. EDC & CARRIER GUIDANCE CELL ACTIVITIES

Presenter: Mrs. S. Sharmila Kumari, AP /EEE

- She has presented the number of events conducted by the EDC and carrier guidance cell and number of students benefitted from those events.
- She has also presented the comments of the NBA peer team experts and the action plan for improving the score in this criterion.

### **Suggestions from the members**

- The members suggested that Quantitative data about the number of students interested for higher studies and entrepreneurs can be included.
- The members suggested that number of student's participation in EDC activities can be increased.



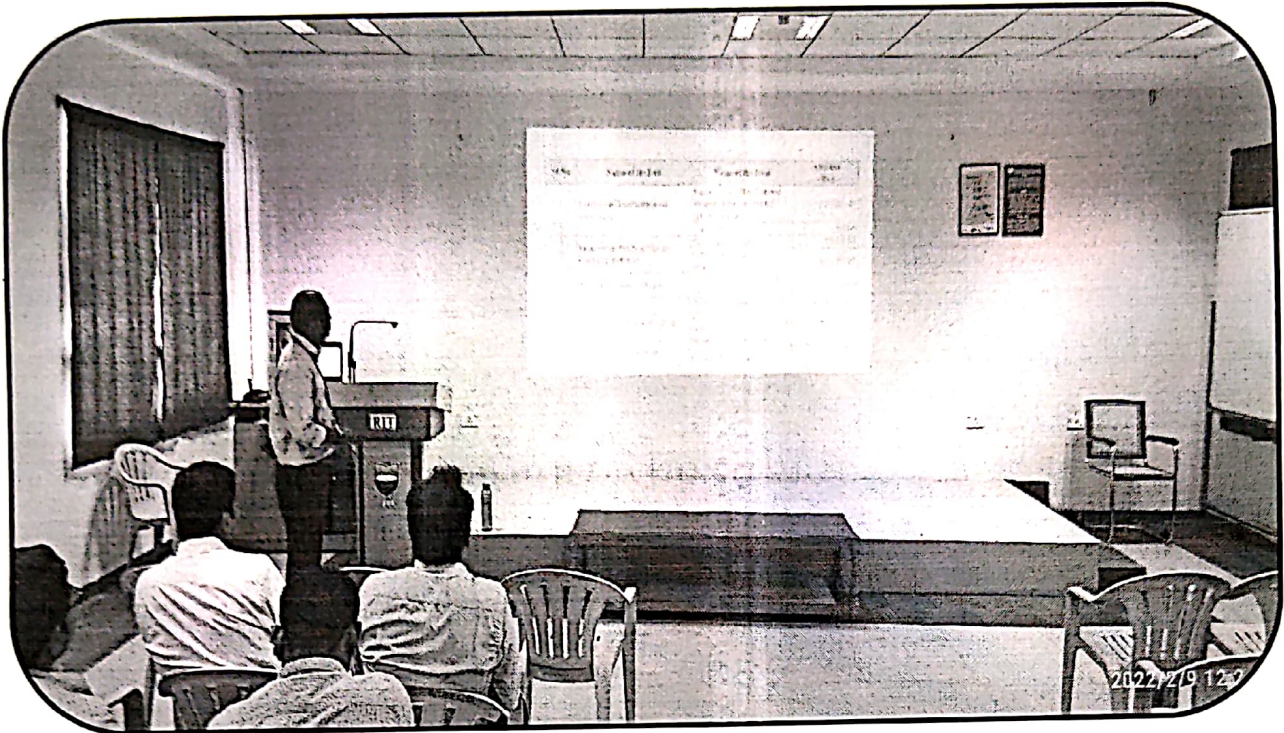
### **9 C. STUDENT FEEDBACKS AND ANALYSIS**

Presenter: Mrs. S. Sharmila Kumari, AP /EEE

- The modes of collecting student's feedback such as Online Feedback System in every semester, Class committee meeting and Course committee meeting has been explained.
- The analysis of the academic student feedback has been presented. The actions taken for improving the academic feedback score is also presented.
- The Class committee meeting and Course committee meeting comments and actions taken for those comments are also presented.

## 10. BUDGET ALLOCATION AND UTILIZATION (2021-22)

Presenter: Mr. A. Arun Kumar, AP /EEE



### Suggestions from the members

- The members suggested incorporating the expenditure details for servicing at Electrical Machines laboratory in the expenditure summary chart for the academic year 2021-22.
- The members reviewed the budget allocation and utilization.
- The members were appreciated for getting research incentives by all 13 faculty members from the department. They advised us to continue the same in the upcoming years.
- Adequacy of budget allocation was described and members advised to maintain the higher percentage of utilization between budget proposed and allotted.
- Percentage of utilization of allocated funds was reviewed. The members appreciated for effective utilization of the budget. One of the members asked to show the budget utilization under various heads such as capital, recurring, research & development and so on.

*G. K.* 25/2/22  
Prepared by  
K. Karthikeyan

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Reviewed by  
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Approved by  
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