



# RAMCO INSTITUTE OF TECHNOLOGY

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

Department of Electrical and Electronics Engineering  
Academic Year 2022 – 23

Ref.: RIT/EEE/PA&QIC/06

Date: 15.03.2023

## Circular

The 6<sup>th</sup> Program Assessment & Quality Improvement Committee Meeting to review the progress of 2022-23 (Odd Semester) is planned on **30.03.2023 (Thursday)** from **10.00 AM to 12.40 PM** at EEE Seminar Hall. All PA&QIC Members and other Faculty Members are invited to attend the meeting. The agenda for the meeting is listed below,

Sl.No.	Topics to present	Faculty In-charge	Time
1	Review of Previous meeting (5 <sup>th</sup> PA&QIC)	Dr. K. Karthikeyan	10.00 – 10.10 AM
2a	Teaching and Learning : (i) Curricular Gap and content beyond syllabus, (ii) New Initiatives and Innovative methods practiced and its implications, (iii) Action taken for slow learners and bright students, (iv) Question paper quality improvement (v) Outcome of Academic audit	Mrs. S. Jeyanthi	10.10 – 10.30 AM
2b	Institute – Industry Interactions and its impact - Internship & In-Plant Training	Mr. E. Thangam & Dr. K. Karthikeyan	10.30 – 10.40 AM
3	(i) Attainment of COs, POs, PSOs with program effectiveness (2021-2022), (ii) Proposed methodologies to set target attainment for CO (iii) Initiatives for adding Co-Curricular and Extra-Curricular activities towards CO attainment	Mr. E. Thangam & Mr. A. Guna	10.40 – 10.50 AM
4a	Student Participation: Professional Societies and Technical Association	Mr. A. Arun Kumar, Mrs. S. Jeyanthi & Mr. A. Guna	10.50 – 11.00 AM
4b	Student Participation: Inter-Institute events and online course	Mr. R. Thangasankaran	11.00 – 11.10 AM
5	Faculty Performance, Participations, online course and Research and Development activities	Mr. D. Karthik Prabhu	11.10 – 11.20 AM
6	New facilities created & Laboratory utilization	Mr. S. Meenakshi Sundaravel	11.20 – 11.30 AM
7	Continuous Improvements	Mr. A.S. Vigneshwar	11.30 – 11.40 AM
8	Alumni Interactions	Dr. K. Karthikeyan	11.40 – 11.50 AM
9a	Training and Placement Progress	Mr. A. S. Vigneshwar	11.50 – 12.05 PM
9b	EDC & Carrier Guidance Cell activities	Ms. S. Sharmila Kumari	12.05 – 12.10 PM
9c	Feedback Analysis (Student / Parent / Alumni / Recruiters / Employee)		12.10 – 12.20 PM
10	Budget allocation and Utilization (2022-23)	Mr. A. Arun Kumar	12.20 – 12.30 PM
11	Any other matters		12.30 – 12.40 PM

*L. C. A. 15/3/23*  
Department NBA Coordinator  
Copy to:

*S. Karthikeyan 15/03/23*  
HoD/EEE

*[Signature]*  
Vice Principal

*[Signature]*  
Principal  
*15/3/23*

- 1) All PA&QIC Members and faculty members through email
- 2) File



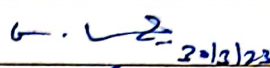
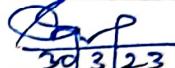
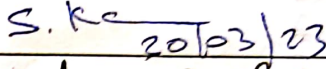
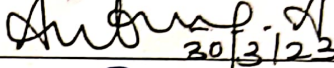
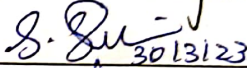
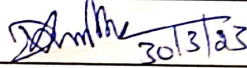
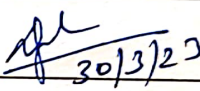
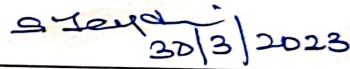

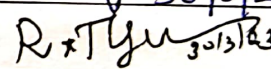

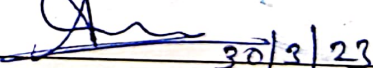
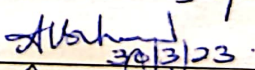
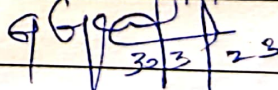
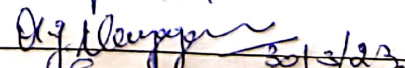
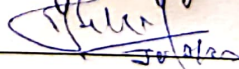
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Department of Electrical and Electronics Engineering  
Academic Year 2022 – 23

Date: 30.03.2023

## 6<sup>th</sup> Program Assessment & Quality Improvement Committee Meeting Attendance Sheet

Sl. No	Name of the Faculty	Signature
1.	K. Karthikeyan, ASP/EEE	 30/3/23
2.	S. Meenakshi Sundararaj, AP(SG)/EEE	 30/3/23
3.	Dr. S. KANNAN	 20/03/23
4.	A. Arun Kumar	 30/3/23
5.	S. Sharmila kumari	 30/3/23
6.	D. Vanthini prabhu	 30/3/23
7.	B. Deepa Lakshmi, ASP/EEE	 30/3/23
8.	B. JAYANTHI	 30/3/2023
9.	E. Thangam, AP(SG)-EEE	 30/3/23
10.	R. Thangasankaran - AP/EEE	 30/3/23
11.	G. SIVAPREYAS, AP/EEE	 30/03/23
12.	A. Guna, AP/EEE	 30/3/23
13.	A.S. Vigneshwar, A	 30/3/23
14.	G. GNANA PRIYA, AP(SG)/ECE	 30/3/23
15.	Dr. M. Gomathy Nayagam, ASP/EE	 30/3/23
16.	J. Jeyan Sow Estarso, AP(SG)/ECE	 30/3/23
17.		
18.		
19.		
20.		



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## Department of Electrical and Electronics Engineering

Academic Year 2022 – 2023

### Minutes of Meeting – 6<sup>th</sup> Program Assessment & Quality Improvement Committee (PA&QIC)

**Date of Meeting** : 30.03.2023 (Thursday)  
**Time of Meeting** : 10:00 AM to 12:40 PM  
**Reference** : RIT/EEE/PA&QIC/06  
**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.	Dr. M. Gomathynayagam	Associate Professor / CSE	Member
6.	Mrs. G. Gnanapriya	AP (SG) / ECE	Member
7.	Mr. J. Jerold John Britto	AP (SG) / Mechanical	Member
8.	Mr. E. Thangam	AP (SG) / EEE	Representative
9.	Mr. S. Meenakshi Sundaravel	AP (SG) / EEE	Representative
10.	Mr. A. Arun Kumar	AP (SG) / EEE	Representative
11.	Mr. A. S. Vigneshwar	AP (SG) / EEE	Representative
12.	Mrs. S. Jeyanthi	AP (SG) / EEE	Representative
13.	Ms. S. Sharmila Kumari	AP / EEE	Representative
14.	Mrs. G. Sivapriya	AP / EEE	Representative
15.	Mr. A. Guna	AP / EEE	Representative

## The agenda of the meeting

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2b	Institute – Industry Interactions and its impact - Internship & In-Plant Training
3	(i) Attainment of COs, POs, PSOs with program effectiveness (2021-2022), (ii) Proposed methodologies to set target attainment for CO (iii) Initiatives for adding Co-Curricular and Extra-Curricular activities towards CO attainment
4a	Student Participation: Professional Societies and Technical Association
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11	Any other matters

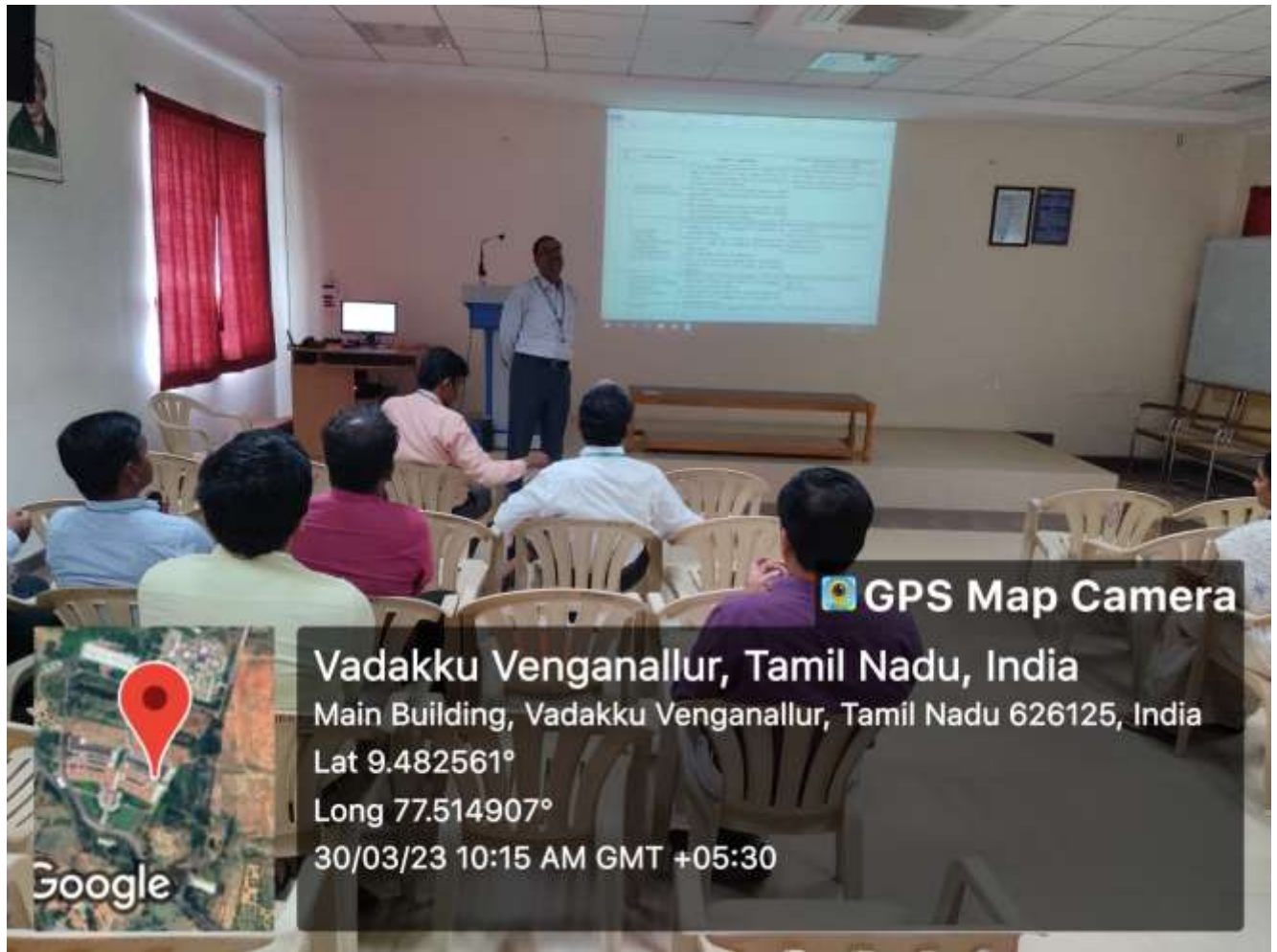
### 1. REVIEW OF PREVIOUS MEETING (5<sup>th</sup> PA&QIC)

Presenter: Dr. K. Karthikeyan, ASCP/EEE

- The contents discussed during the 5<sup>th</sup> PAQIC meeting under various headings, suggestions given by the members and actions taken for those suggestions are presented.

#### Suggestions given by the members

- Each and every criterion coordinators can present the action taken along with quantitative data for the suggestions given by the members in the forthcoming meetings.
- The criterion coordinators can present the marks scored in NBA their criteria up to the presentation date.



## 2A. TEACHING AND LEARNING PROCESS

Presenter: Mrs. S. Jeyanthi, AP(SG) / EEE

- The curricular gap identified by the subject handling faculty has been presented. The process of identification and communication to the Anna University has been presented.
- The process of addressing the identified curricular gap through the content beyond syllabus and value added courses have been presented.
- The new initiatives taken by the department for the teaching – learning process has been presented.
- The innovative practices followed by the faculty members were presented with sample evidences.
- The action taken for the slow learners and fast learners has been presented. It was presented that online courses have been given for advanced learners and short notes, formula sheet; quick revision notes, special coaching class and study guide were used for slow learners.
- The improvement in question paper setting of internal assessment test has been presented. The role of Adjunct professor in guiding the faculty member in setting higher order thinking skill questions has been elaborated.
- The outcome academic audit along the plan for implementing the suggestions has been presented.

## Suggestions given by the members

- The members suggested maintaining three domains for the department for Regulation 2021. Three domains are Power system, Power Electronics and Embedded & other allied courses.
- The members approved the conduct of the assessment test to content beyond the syllabus.
- The members reviewed the curriculum gap identification.
- The members approved that the Pre-Course Assessment will also be considered for ABC analysis of students.
- The members suggested that instead of "Innovative practices followed" it can be mentioned as "Active Learning techniques"



## 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) Student Industrial Visit

Sl. No.	Class / Semester	Name of the Company	No. of Students Visited	Accompanied Faculty members
1.	II Year / IV Semester	TRACO Cable Company Ltd, Kochi	57	Mr. A. Arunkumar Mrs. S. Jeyanthi
2.	III Year / VI Semester	Kanan Devan Hills Plantations Company Private Limited Munnar, Kerala	47	Mr. S. Meenakshisundaravel Mr. A. S. Vigneshwar
3.		110 kV Substation Visit at Ramco Group Textile Division, Rajapalayam	57	Dr. S. Kannan, Mr. E. Thangam, Mrs. S. Sharmilakumari

#### b) Faculty Industrial Training

S.No.	Name of the Faculty	Name of the Company	Training Period		No. of days
			From	To	
1.	Mr. D. Karthikprabhu	Wind Farm Training at National Institute of Wind Energy, Kayathar			11 days
2.	Mr. E. Thangam	Wind Farm Training at National Institute of Wind Energy, Kayathar	06.02.2023	17.02.2023	11 days
3.	Mr. E. Thangam	Ramco Group Textile Division Wind Farm at Aralvaimozhi	19.01.2023	21.01.2023	3 days
4.	Mr. S. Meenakshisundaravel	Wind Farm Training at National Institute of Wind Energy, Kayathar			11 days
5.	Mrs. S. Jeyanthi	Rajapalayam Spintext Rajapalayam	16.01.2023	18.01.2023	3 days
6.	Mrs. G. Sivapriya	Jay Solar Energy Management Systems Pvt. Ltd, Pondicherry	29.12.2022	31.12.2022	3 days

**c) Industry Expert Interactions:**

<b>S.No.</b>	<b>Name of the Industry Expert</b>	<b>Nature of Interactions</b>	<b>Date</b>	<b>Beneficiaries</b>
1.	Mr. P. Prem Kumar ATE Test Engineer Nash Technologies Boblingen, Germany	Extramural Lecture on “Semiconductor Testing – An Overview”	11.02.2023	RIT EEE Students, and Faculty members
2.	Mr. A. Mohamed Sameer Senior Engineer Plant Maintenance, Rane NSK (P) Ltd, Chennai	Lecture on “ How to prepare themselves for an industry ready engineer	18.03.2023	RIT III year Students
3.	Mr. G. Naveen, Evol - Start-up Expert Rajapalayam	Project Reviewer	18.03.2023	RIT IV year Students
4.	Mr. A. Mohamed Sameer Senior Engineer Plant Maintenance, Rane NSK (P) Ltd, Chennai	Project Reviewer	18.03.2023	RIT IV year Students
5.	Mr. Pothiraj Proprietor Hason Medicare Rajapalayam	Project Reviewer	18.03.2023	RIT IV year Students
6.	Mr. Mahaveer Savanur Sr. Technical Engineer Spruha build in solutions, Bangalore	Hands on Training on MokuGo M2 Kit	03.03.2023	RIT EEE and ECE Faculty members

**d) 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, Entho 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, and Skill Shark.

### e. 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), (2019 -2023 – 2 student)
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) (2018-2022 – 1 students), (2019 -2023 – 3 student)
3.	Minniyl 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) (2019-2023 – 1 students)
5.	Ramco Group of Textile Division, Rajapalayam	5 students placed in Ramco group textile division (2013-2017 – 5 students), (2014-2018 - 1 student), (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 medsbys 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

### f. 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

### g. 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.

### h. Department Consultative Committee Members

S.No	Name of the Faculty member	Designation	Position
1.	Dr.S. Kannan	Professor and Head (EEE)	Head
2.	Dr. K. Karthikeyan	Associate Professor/EEE	IPT & Internship In-charge
3.	Mr. D. Karthik Prabhu	Assistant Professor (Sr.Gr) / EEE	Member
4.	Mr. E. Thangam,	Assistant Professor (Sr.Gr) / EEE	Member
5.	Mr. S . Meenakshi Sundaravel	Assistant Professor (Sr.Gr) / EEE	Member

### i. Student Internship Progress:

S.No	Class / Semester	No. of Students completed 15 days Internship	No. of Students yet to be completed 15 days Internship
1.	IV Semester B.E. EEE	-	64
2.	VI Semester B.E. EEE	6	60
3.	VIII Semester B.E. EEE	33	-

### j. Industry Projects Details:

6 batch of students are undergoing their final year projects in the industries, the details are given below

Sl. No.	Name of the Company	Name of the Supervisor
1.	Rajbio Electronics and Intelligent (P) Ltd. Krishnankoil	Mr.D.Karthik Prabhu, AP(SG)/EEE
2.	Hashan Medicare, Rajapalayam	Dr.S.Kannan, HoD/EEE
3.	Hashan Medicare, Rajapalayam	Mrs.S.Jeyanthi, AP(SG)/EEE
4.	Rajbio Electronics and Intelligent (P) Ltd. Krishnankoil	Mr.A.Arun Kumar, AP(SG)/EEE
5.	Rajbio Electronics and Intelligent (P) Ltd. Krishnankoil	Mr.E.Thangam, AP(SG)/EEE
6.	Hashan Medicare, Rajapalayam	Dr.K.Karthikeyan, ASP/EEE

### Suggestions from the members:

- MoU utilization needs to be improved.
- Faculty members are encouraged to publish papers in association with the industry experts.
- An industry expert interaction session can be planned once a month.
- All the faculty members are encouraged to undergo industrial training, since it is mandatory for CDIO.
- 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.
- Students shall be encouraged to undergo their mini- and major projects in the industries.
- Need to take steps for signing MoU with reputed institute for the benefit of students and faculty members.



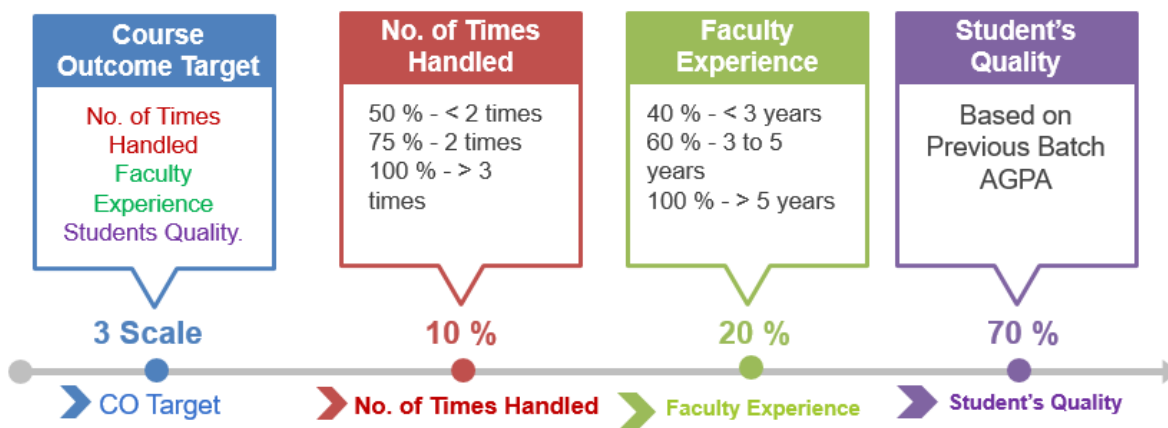
### 3. ATTAINMENT OF COs, POs, PSOs WITH PROGRAM EFFECTIVENESS (2020-21)

The points presented in the 6<sup>th</sup> PAQIC meeting by **Mr. E. Thangam, AP (SG)/EEE** and **Mr. A. Guna AP /EEE** 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. Proposed Course Outcome Target Setting Procedure for CO Attainment – R 2017 (With effect from 2021 – 2022 Odd Semester)**



Course Code & Name: EE8311 Electrical Machines - I			Parameter		Weightage	Criteria	Weightage				
Year of Study:	II year / III semester - B		Number of Times Subject handled in RIT	10%		Less than 2 times	50%	0.15			
Batch:	2020-2024					2 times	75%	0.225	3 and above	100%	0.3
Academic Year:	2021 - 2022 (Even Semester)		Faculty Experience	20%		Less than 3 years Experience	40%	0.24			
2017-2021	2018-2021	2019-2021				Equal and greater than 3 and less than 5 years	60%	0.56	Equal and greater than 5 years	100%	0.6
AGPA1	AGPA2	AGPA3				Student Quality	70%	AGPA Average	70%	2.1	
8.84	8.86	9.3									
Student Quality AGPA Average	9.0	1.89									
Number of Times subject handled	3	0.3									
Faculty Experience	10	0.6									
	Target	2.79									

**c. 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> <li>• BE8252 Basic Civil and Mechanical Engineering</li> <li>• MA8353 Transforms and Partial Differential Equations</li> </ul>

	<ul style="list-style-type: none"> <li>• EE8391 Electromagnetic Theory</li> <li>• EE8301 Electrical Machines - I</li> <li>• EC8353 Electron Devices and Circuits</li> </ul>
2018 – 2022	<ul style="list-style-type: none"> <li>• MA8151 Engineering Mathematics – I</li> <li>• GE8151 Problem Solving and Python Programming</li> <li>• PH8253 Physics for Electronics Engineering</li> <li>• EE8391 Electromagnetic Theory</li> </ul>
2019 – 2023 Upto VI 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>

**d. Details of CO-PO Mapping for the batch 2018 - 2022**

PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Map.	2.3	1.9	1.5	1.8	1.2	1.9	2.1	1.9	1.9	1.8	2.2	1.7

**e. Details of CO-PSO Mapping for the batch 2018 – 2022**

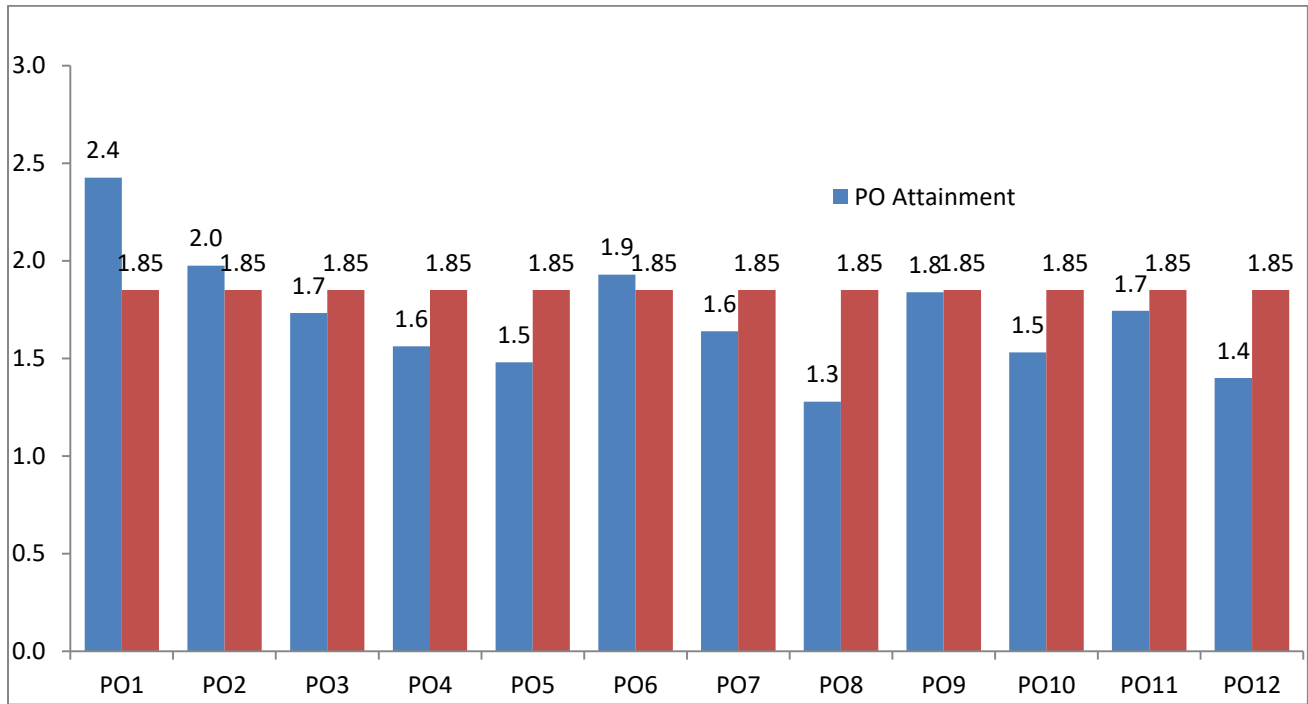
PSO	PSO1	PSO2	PSO3	PSO4
Map.	1.3	1.4	1.3	1.2

**f. Target Setting Procedure for PO & PSO Attainment – R 2017**

Batch	PO / PSO Target
2017 – 2021	60 % of Mapping 1.8
2018 – 2022	1.85
2019 – 2023	1.9
2020 – 2024	1.95

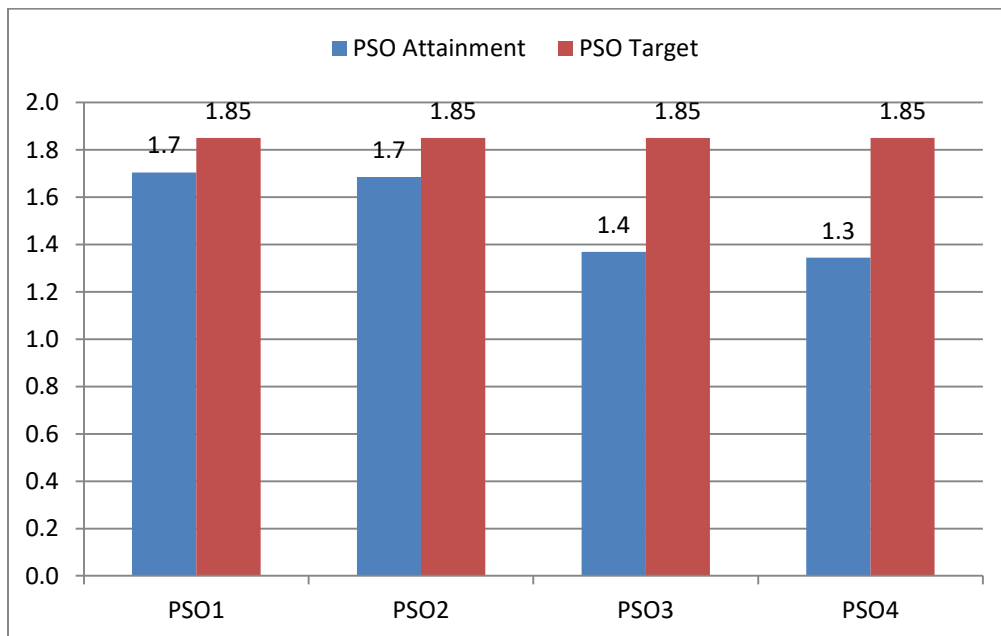
**g. Details of PO Attainment**

PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
PO Mapping	2.3	1.9	1.5	1.8	1.2	1.9	2.1	1.9	1.9	1.8	2.2	1.7
Target	1.85	1.85	1.85	1.85	1.85	1.85	1.85	1.85	1.85	1.85	1.85	1.85
PO Attain.	2.4	2.0	1.7	1.6	1.5	1.9	1.6	1.3	1.8	1.5	1.7	1.4



**h. Details of PSO Attainment**

PSO	PSO1	PSO2	PSO3	PSO4
PSO Mapping	1.3	1.4	1.3	1.2
Target	1.85	1.85	1.85	1.85
PSO Attain.	1.7	1.7	1.4	1.85



**i. Initiatives and Feasibility of adding Co-Curricular and Extra-Curricular activities towards PO attainment**

Course Index	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C101	3	2	1	1	1		1		2	1	2	3
C102	3	2	1	1	1		1		2	1	2	3
....	.	.	.	.	.	.	.	.	.	.	.	.
C416	3	2	1	1	1		1		2	1	2	3
C501												
C502												
C503												

**Co-Curricular and Extra-Curricular activities**

**Regular Courses from I Semester to VIII Semester**

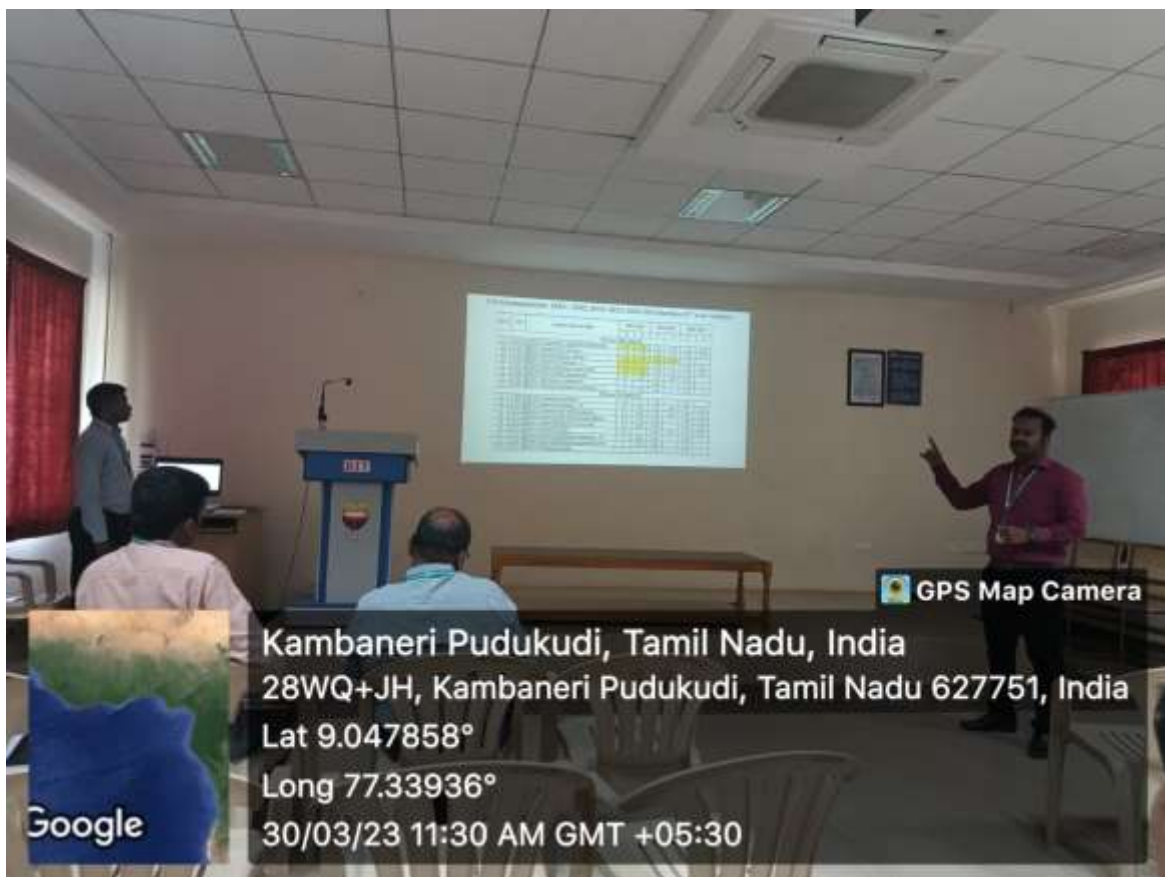
- A set of co-curricular and extracurricular activities should be planned for every batch of students, mapping a minimum of three Program outcomes like ethics, environment, and sustainability, and the engineer and society.
- PO mapping should be carried out prior to the conduct of the activities.
- Each activity's outcome should be calculated on a 3-point scale. (>60% means 1, >70% means 2, >80% means 3).
- Since it is planned to be included in the PO attainment of the batch of students, we must ensure a minimum of 80% of the students participate in all the activities.

**j. Actions to be taken to get Maximum Score in Criterion 3**

- CO-PO Mapping, CO-PSO Mapping, Target Calculation Procedure, Course Outcome Calculation Procedure, and 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 entire process we are following in attainment calculation.
- The course file should be prepared with utmost care, and all evidence should be provided on the spot.
- All faculty members, please try to take steps towards the attainment of POs 6 to 12, because these outcomes cannot be attained in the classroom.
- Faculty cooperation in the aspect of on-time submission of the completed course file is highly essential.

#### **k. External member suggestions:**

- Co-Curricular and Extra-Curricular activities towards PO attainment can be included in consultation with the neighbouring department.
- Target procedure needs some clarity to justify the inference with the NBA committee expert.



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

Presenter: Mr. A. Arun Kumar, AP (SG) / EEE

- The activities carried out during the period of 01.07.2022 to 31.12.2022 by the professional societies and technical association has been presented.
- The value added course conducted for II year EEE students and workshops conducted for II year CSE under the professional societies were presented.

#### **Suggestions given by the members**

- It was recommended to show the details of prize winners and the number of students registered for each event in the presentation.
- The members suggested analyzing the feedback received for the events conducted.
- The more number of events can be conducted with external resource person for our students.
- The plan of the activities along with execution date can be presented in the slides.



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

Presenter: Mr. R. Thangasankaran, AP / EEE

- The student participation in the inter-institute events and online course completed by the students are presented in the meeting.
- The students have completed the many online courses in the core subjects as well as programming languages.
- The workshop participation, technical symposium, technical quiz and internships are also presented.

#### **Suggestions by members:**

- The members appreciated that the number of students has carried out online courses.
- The members suggested that the Naan Mudhalvan course certificates are offered by the Coursera with reputed foreign universities and industries. It can also be considered for online course completion.

- The members insisted that the participation by the students in inter college and outside Tamil Nadu only will be considered for NBA marks. Hence, the students must be encouraged to participate in outside Tamil Nadu participation.
- In order for all of the students to engage in the events, HoD Sir informed that it is the Mentor's duty to provide direction to their wards.



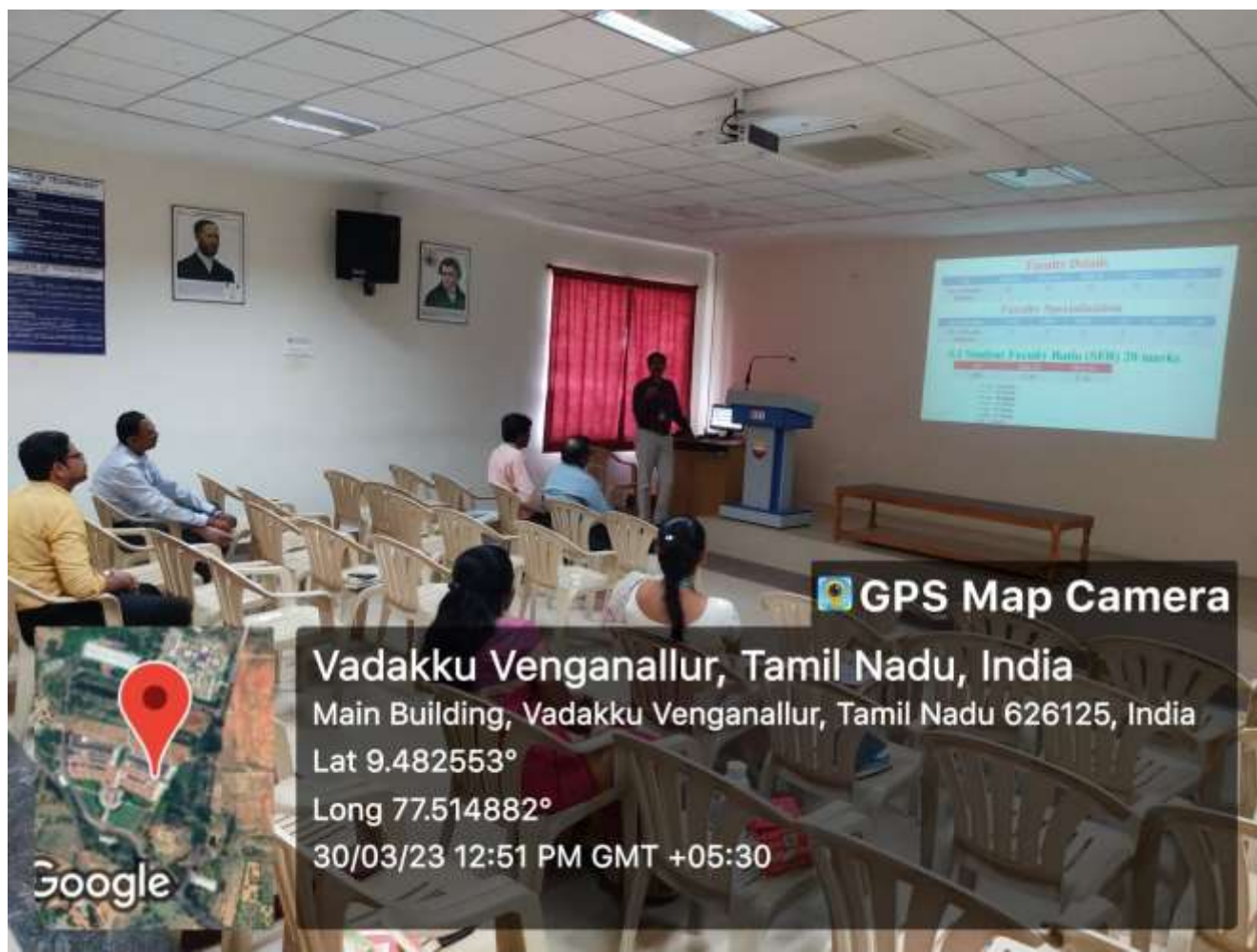
## 5. FACULTY CONTRIBUTIONS AND R & D ACTIVITIES

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 academic year 2022-2023 based on the NBA requirements.
- Briefed the online courses completion by the faculty.
- Presented the action taken for the last meeting suggestions by the members.

### **Remarks from Members:**

- Members suggested that the number of faculty participation in FDP, Seminar, Webinar and workshop should be increased. The outcome of those participation must be disseminated to other faculty members and students.
- Members suggested that the patent application process should be initiated for this academic year. The follow-up should be done for the already applied patent.
- The number of quality research publications should be improved for the department. The faculty members should take the concrete steps towards quality research at the department.



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

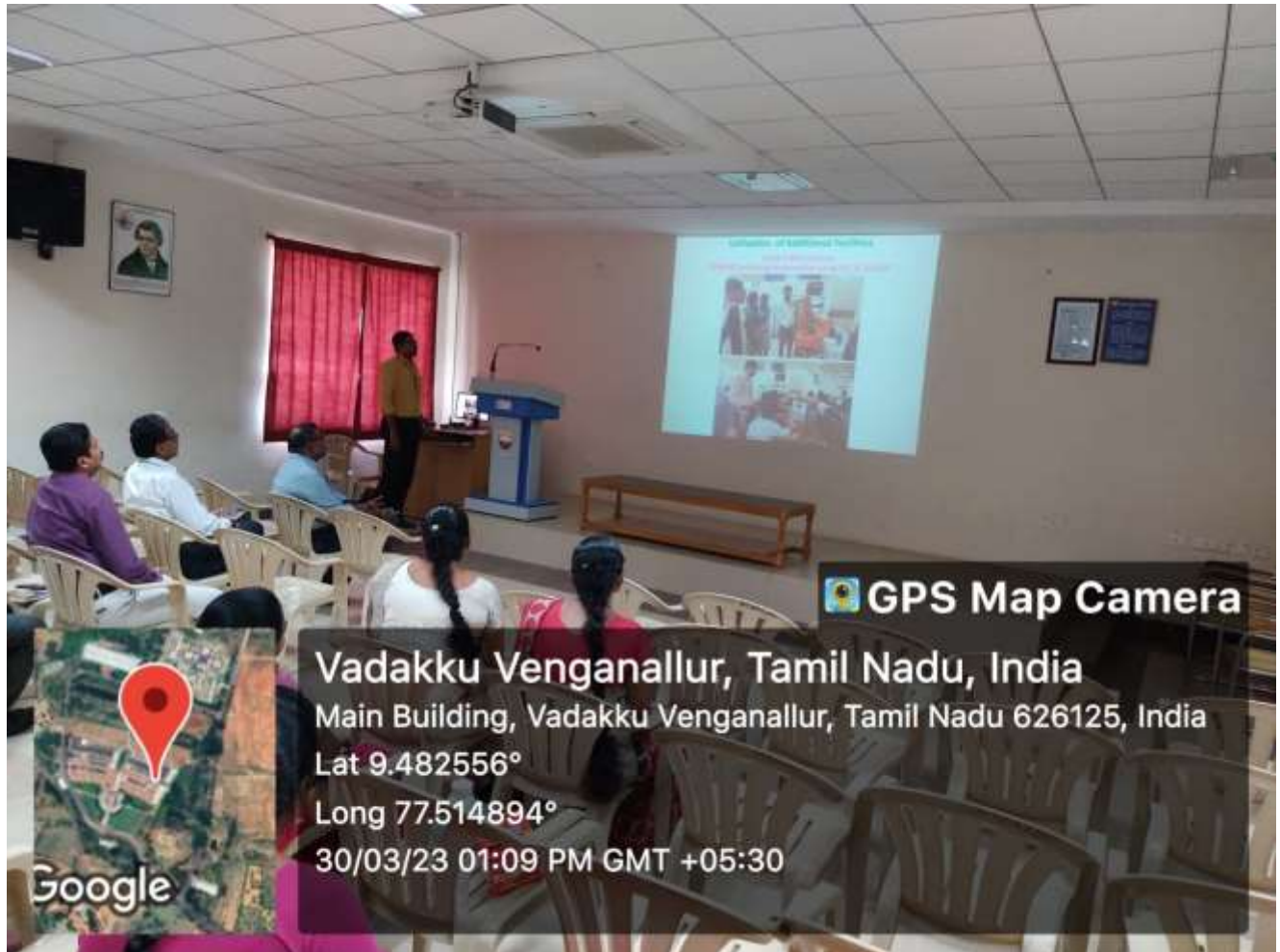
Presenter: Mr. S. Meenakshi Sundaravel, AP (SG)/EEE

- The utilization of the additional facilities for conducting the value added courses and workshops and for doing projects has been presented.
- The details of the new additional facilities such as 4 numbers of Omron PLC Zen series Training kits and 2 numbers of Moku Go M2 Model kits are presented.

- As discussed in the previous meeting, all the sensors and I/O devices are transferred from EPL lab to Project lab for improving the utilization of project laboratory.

#### **Suggestions from the members:**

- Members suggested that the Arduino and Raspberry pi boards may be transferred to the project lab.
- Members suggested that the laboratories can be made tie up industries and funds may be applied for industry sponsored laboratories.



## **7. CONTINUOUS IMPROVEMENTS**

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

Presented the process of continuous improvement and following points are discussed.

- Student admission cutoff details are presented to members and details are given below.  
For 2022-23 (Current First Year)
  - ✓ The number of admitted students is 57
  - ✓ The opening score is 172.5
  - ✓ The closing score is 93
- Placement percentage is 79% considering the total strength and 97% considering placement opted students. The detailed training and placement details is described in separate section.

- The internal academic audit conducted on 02.11.2022 to 05.11.2022, observation and action taken points during the assessment periods is listed below.

Scope for improvement	Actions taken for Implementation
Innovative practices are done but documents need to file	<ul style="list-style-type: none"> <li>• All the subject handling faculties have done innovative practice techniques and updated in the file for the 2021-22 (Even Semester) and updated in website</li> <li>• <a href="https://www.ritrijpm.ac.in/departments/electrical-electronics-engg/eee-innovative-practices.php">https://www.ritrijpm.ac.in/departments/electrical-electronics-engg/eee-innovative-practices.php</a></li> </ul>
Innovative practices can be measured quantitatively and analyzed for understanding its effectiveness	<ul style="list-style-type: none"> <li>• Innovative practices analyzed and reflected in report as <b>Reflective Critique</b> and upload in website</li> <li>• <a href="https://www.ritrijpm.ac.in/departments/electrical-electronics-engg/eee-innovative-practices.php">https://www.ritrijpm.ac.in/departments/electrical-electronics-engg/eee-innovative-practices.php</a></li> </ul>
Faculty subject allocation & workload can be updated and filed. Workload is not updated.	<ul style="list-style-type: none"> <li>• Subject allocation and workload calculation for 2022-23(Odd Semester) are completed and updated.</li> <li>• Subject allocation and workload calculation for 2022-23(Even Semester) are yet to be completed.</li> </ul>
DRM should be conducted as per norms.	<ul style="list-style-type: none"> <li>• Necessary action will be taken.</li> </ul>

- The external academic audit conducted on 08.12.2022 to 09.12.2022, audit report is yet to receive.
- The calculation of PO-PSO mapping for 2022 batch is completed and action taken for mapping is yet to consolidate.



### Suggestions from the members

- Members made the suggestion that the faculty members be informed of the findings from the academic audit conducted during this time so they can prepare any necessary corrective measures.
- Members recommended that the mentor should identify the students who are driven and interested in entrepreneurship.

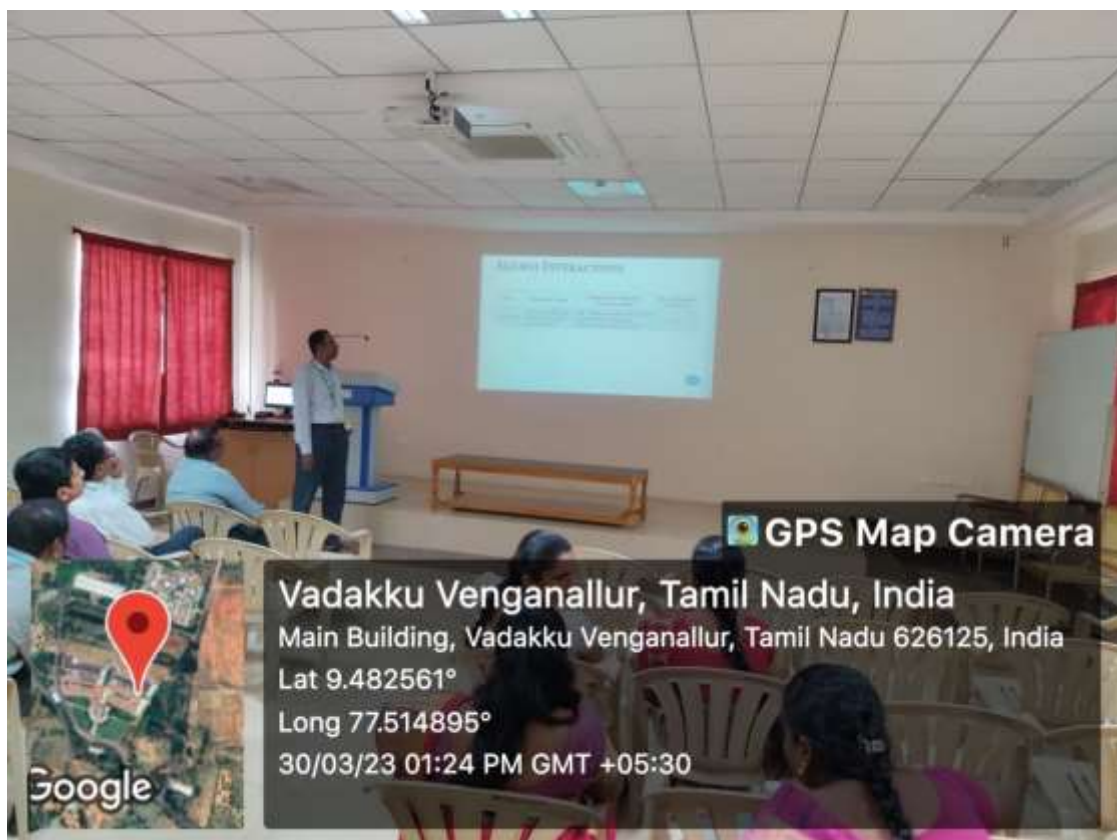
### 8. ALUMNI INTERACTIONS

**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 more number of alumni interactions. They suggested presenting the details of the interactions with planned activities.
- Members suggested that the alumni meet can be conducted and suggestions from alumni for the improvement of quality admission can be obtained.
- Members suggested that the department coordinator should encourage all the alumni to update their current status in their Almashine profile.
- Member suggested that the alumni interactions can be removed from the main agenda for the forthcoming PAQIC meetings, since it is a criterion in the NBA. All the alumni activities can be clubbed with other activities such as industry institute interaction, professional societies and career guidance cell activities etc.



## 9A. TRAINING AND PLACEMENT PROGRESS

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

Presented the placement progress for the batch 2019-2023 and following points are discussed.

- Placement percentage is 79% considering the total strength and 97% considering placement opted students.
- Total Number of company visited is 53, out of which 33 are IT, 19 are Core and 1 Training and development.
- Highest CTC of the batch is 8.4 LPA & 8 LPA.
- Average CTC is increased to 3.4 LPA compared to last batch with 2.4 LPA and Lowest CTC is 2 LPA.
- List of companies visited were presented with sector wise.

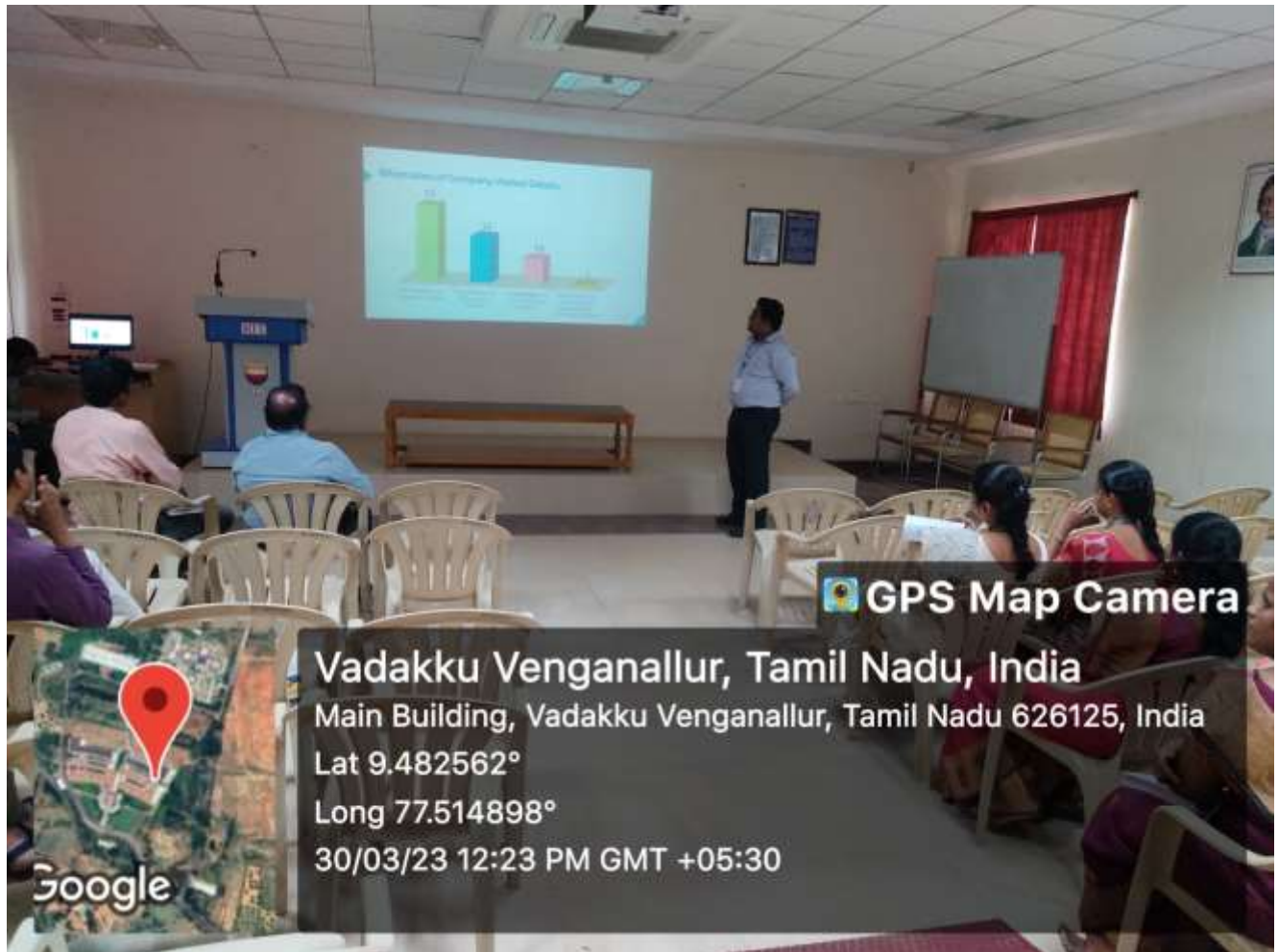
Presented the training progress for the batch 2019-2023 and summary are given below.

Semester	Name of the Training	No of students Benefited	Duration / Date
I	Student Induction Program	57	04.11.2022 – 1 Day
III	Employability Training	64	16.08.2022 – 18.08.2022 & 22.08.2022 – 24.08.2022 – 6 Days
V	Campus to Career Training	60	02.09.2022 – 03.09.2022 – 2 Days
V	Programming Training	60	07,08.10.2022 & 10.10.2022 – 3 Days
VII	Aptitude and Programming Training	27	25.07.2022 – 27.07.2022 – 3 Days
VII	Aptitude and Programming Training	27	02.08.2022 – 06.08.2022 – 5 Days
VII	Company Specific Training	27	07.09.2022 – 09.09.2022 – 3 Days

### Suggestions from the members

- The average CTC of the students must be improved.
- The quality of the placement should be improved.
- HoD insisted that the mentors should play major role in shaping the career of their wards.
- Members suggested that the department should have the risk mitigation plan to face the recession if happens in the industry.
- Members suggested that the department should have a detailed plan for improving the core company placements in the upcoming years.

- Members suggested that the training programs can be arranged for preparation of government jobs.



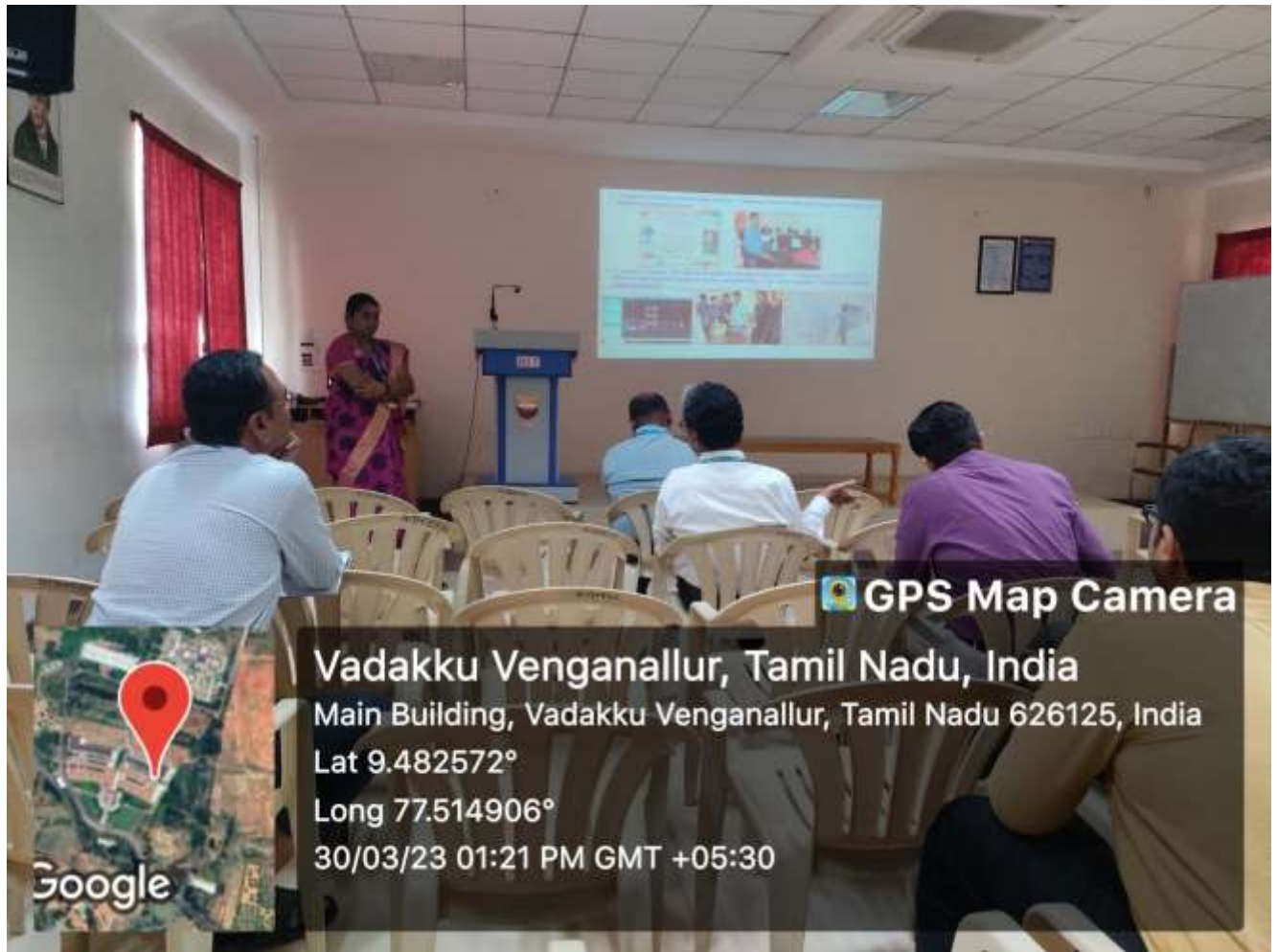
## **9B. EDC & CARRIER GUIDANCE CELL ACTIVITIES**

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

- Presented the presented the number of events conducted by the EDC, IIC and carrier guidance cell and number of students benefitted from those events for the academic year 2022-2023 odd semesters.
- Presented the action taken for the last meeting suggestions by the members.

### **Suggestions from the members**

- The members suggested that conduct career opportunities for all EEE students.
- The members suggested conducting the awareness programs for government jobs such as TNPSC and UPSC for EEE students.
- The members suggested that the number of programs and expert meetings or conclaves for higher studies opportunities can be arranged.



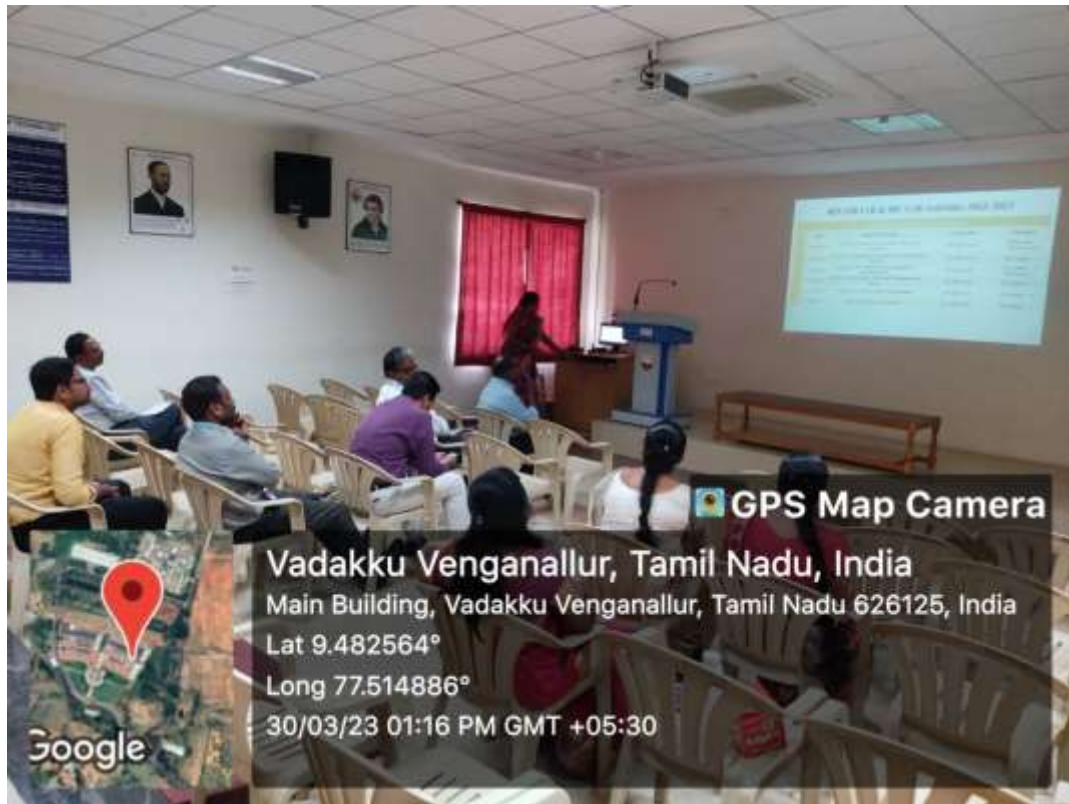
### **9 C. STUDENT FEEDBACKS AND ANALYSIS**

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 Class committee meeting and Course committee meeting comments and actions taken for those comments are also presented.
- The analysis of the academic student feedback, PTA meeting Feedback and alumni Feedback has been presented. The actions taken for improving the academic feedback PTA meeting Feedback and Alumni Feedback score are also presented.

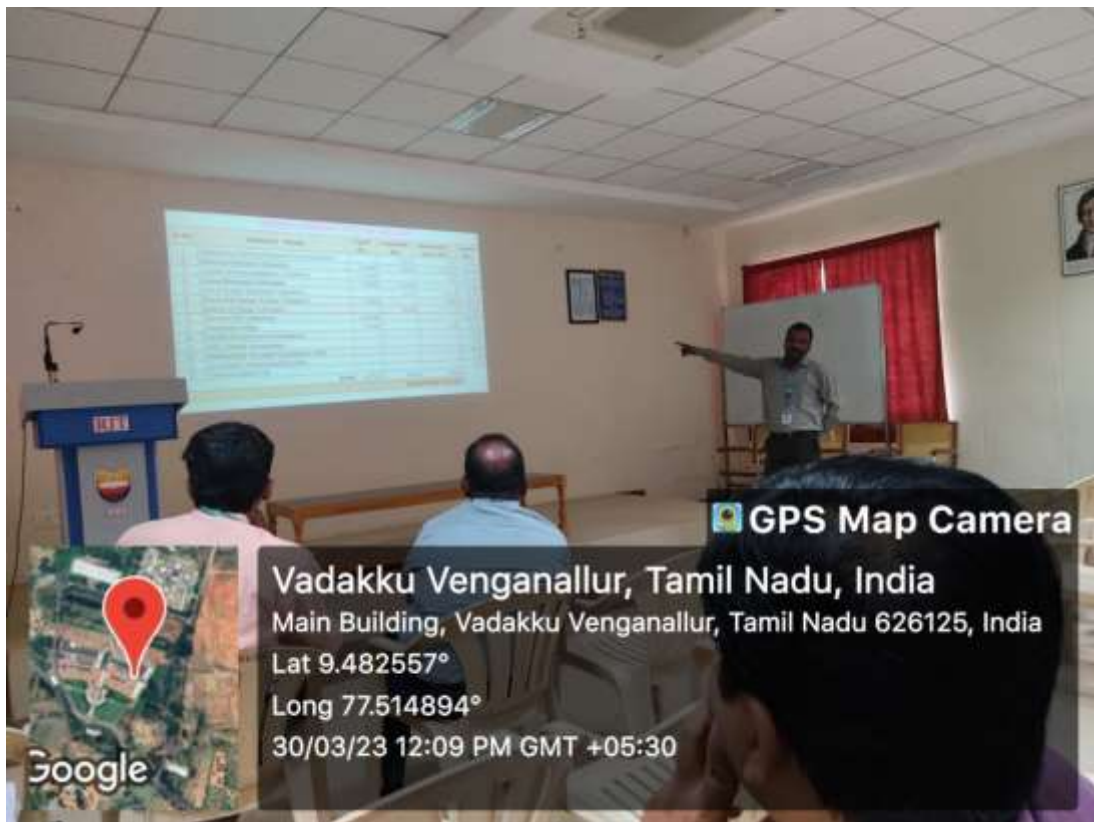
#### **Suggestions from the members**

- The impact of the remedial measures taken for the suggestions and feedback can be presented in the slides.
- As per the recruiter's feedback to improve the technical competency of the students more training programs should be conducted to the students.
- Members appreciated the initiatives / actions taken by the department and they insisted that the impact of those actions can be presented in the next meeting.

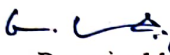


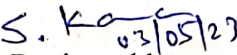
## 10. BUDGET ALLOCATION AND UTILIZATION (2022-23)


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



- The purchase progress of the even semester of 2021-22 was reviewed.
- The members appreciated the effective utilization of the budgeted amount. They also suggested improving the utilization percentage in the upcoming years.
- The amount spent for purchasing the PLC was reviewed with outcome.
- The members criticized that the meters in all the laboratories are not calibrated in any of the years of second cycle of NBA. They suggested doing it in the upcoming year.
- The members suggested continuing the process of updating the software, servicing of laboratory, calibration of meters and updating the laboratory with state of art facilities.

  
Prepared by <sup>03/05/22</sup>  
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Approved by  
Principal <sup>03/05/22</sup>  
3