

RAMCO INSTITUTE OF TECHNOLOGY

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

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

Ref.: RIT/Academic/ECE/DAC/2023-2024

Date: 12.12.2023

MINUTES OF SIXTH DEPARTMENT ADVISORY COMMITTEE MEETING

The sixth Department Advisory Committee Meeting was held with the following agenda through an online platform (Google Meet).

- Review of previous meeting (5th DAC), Review of Quality Objectives and Suggestions given by NBA Peer Members
- Dissemination of Institute and Department Vision, Mission, Department PEOs and PSOs.
- Program Curriculum, Processes Followed to Improve Quality of Teaching and Learning, Quality of Internal Question Papers, Assignments and Evaluation, Quality of Student Projects, Initiatives Related to Industry Interaction, Initiatives Related to Industry Internship/Summer Training.
- Attainment of COs, POs, PSOs with Program Effectiveness (2019-2023 Batch).
- Students Enrolment Ratio, Students Success Rate, Students Academic Performance, Placement, Higher Studies and Entrepreneurship, Professional Activities.
- Student-Faculty Ratio, Faculty Cadre Proportion, Faculty Qualification, Innovation by Faculty in Teaching and Learning, Faculty Participations, Research and Development, Faculty Performance Appraisal, Visiting/Adjunct Faculty.
- New Facilities Created and Technical Support.
- Status of Continuous Improvement, Training & Placement Progress, Academic Audit Implementation and Effectiveness.
- Any other matters.

1. Welcome Address**(by Dr. C.Arunachala Perumal, Professor and Head/ECE)**

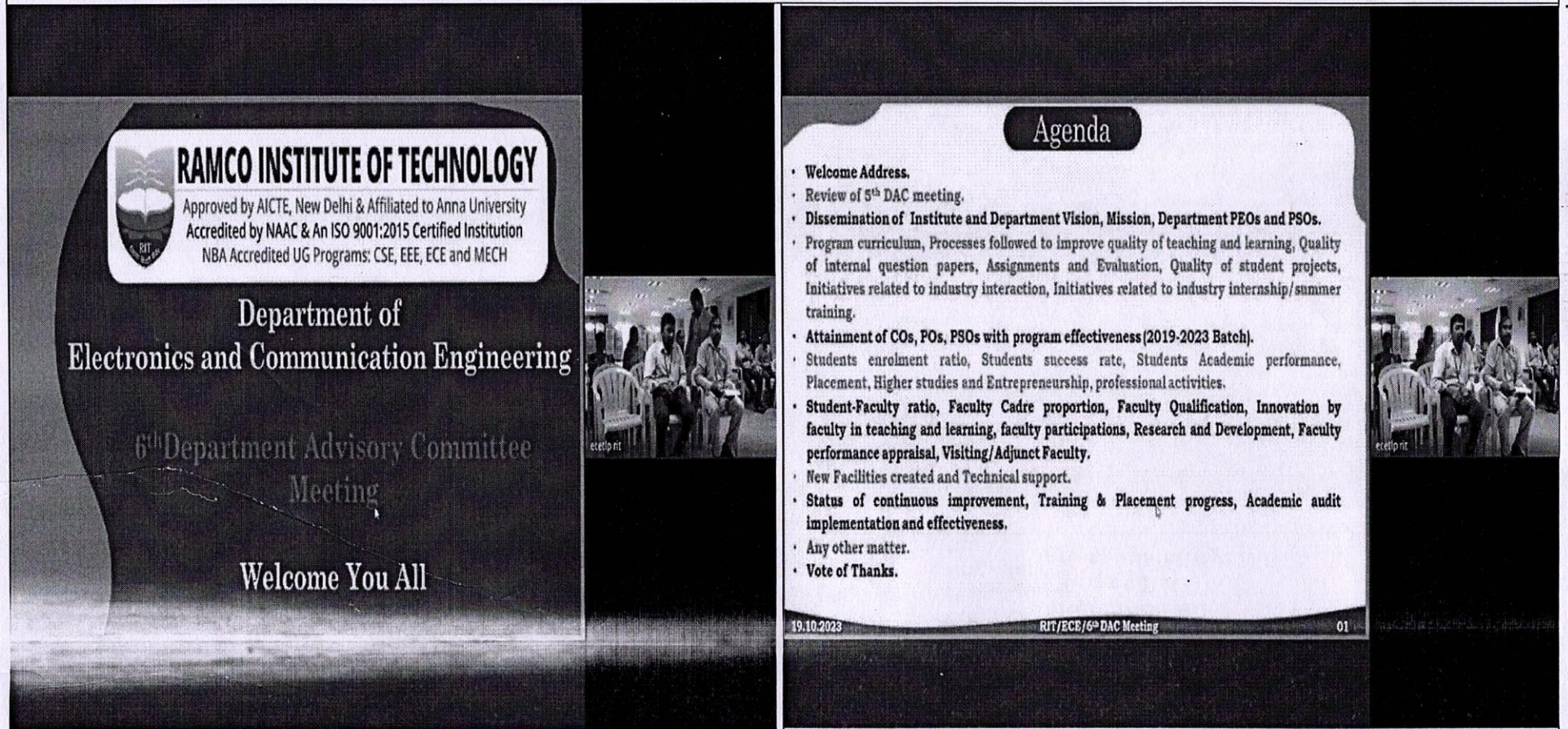
Dr.C.Arunachala Perumal, Professor and Head/ECE, welcomed and introduced the DAC members:

Dr.C.Vasanthanayaki, Academic Member	Principal, Government College of Engineering, Bodinayakannur, Theni.
Mr.Prajesh Kalathil, R&D Member	Vice-President, Bharti Airtel Ltd, Chennai.
Mr.K.Moorthi, Industry Member	Director-Business Development, Entho Technology Solutions India Pvt Ltd, Coimbatore.
Dr.C.Arunachala Perumal, Convener	Professor & Head. Department of Electronics and Communication Engineering, Ramco Institute of Technology, Rajapalayam.
Dr.A.Azhagu Jaisudhan Pazhani, Co-convener	Associate Professor, Department of Electronics and Communication Engineering, Ramco Institute of Technology, Rajapalayam.
Dr.K.Basarikodi, Internal Member	Professor, Department of Mathematics, Ramco Institute of Technology, Rajapalayam.
Dr.S.Vimal, Internal Member	Associate Professor, Department of Artificial Intelligence And Data Science, Ramco Institute of Technology, Rajapalayam.
Dr.N.Karthikeyan, Internal Member	Assistant Professor (Sr.Gr.), Department of Physics, Ramco Institute of Technology, Rajapalayam.
Mr.B.Kannan, Internal Member	Assistant Professor (Sr.Gr.), Department of Electronics and Communication Engineering, Ramco Institute of Technology, Rajapalayam.
Mr.G.Harri Ram, Alumni Member	Senior Verification Engineer, Mobiveil Technologies Pvt, Ltd., Chennai.
Mr.A.Sriram	Silicon Validation Engineer, Tessolve Semiconductor Private Limited, Bangalore.
Ms.R.Nandhini	Analyst Programmer, Ramco Systems, Chennai.
Mr.G.M.Vairamuthu	System Engineer, Data Patterhs (India), Ltd., Chennai.

1. Review of previous meeting (5th DAC) and Review of Quality Objectives (by Dr.A.Azhagu Jaisudhan Pazhani, Asso. Prof/ECE)

Points Delivered by the Faculty Members	Suggestions were given by DAC Members	Remarks with Target Date and Responsibility
<ul style="list-style-type: none"> The review of the previous DAC V meeting and the quality objectives status report for the academic year 2021-2022 and 2022-2023. The implementations are as per the suggestions given by the DAC members during the previous meeting. 	<p>Nil</p>	<p>NIL</p>

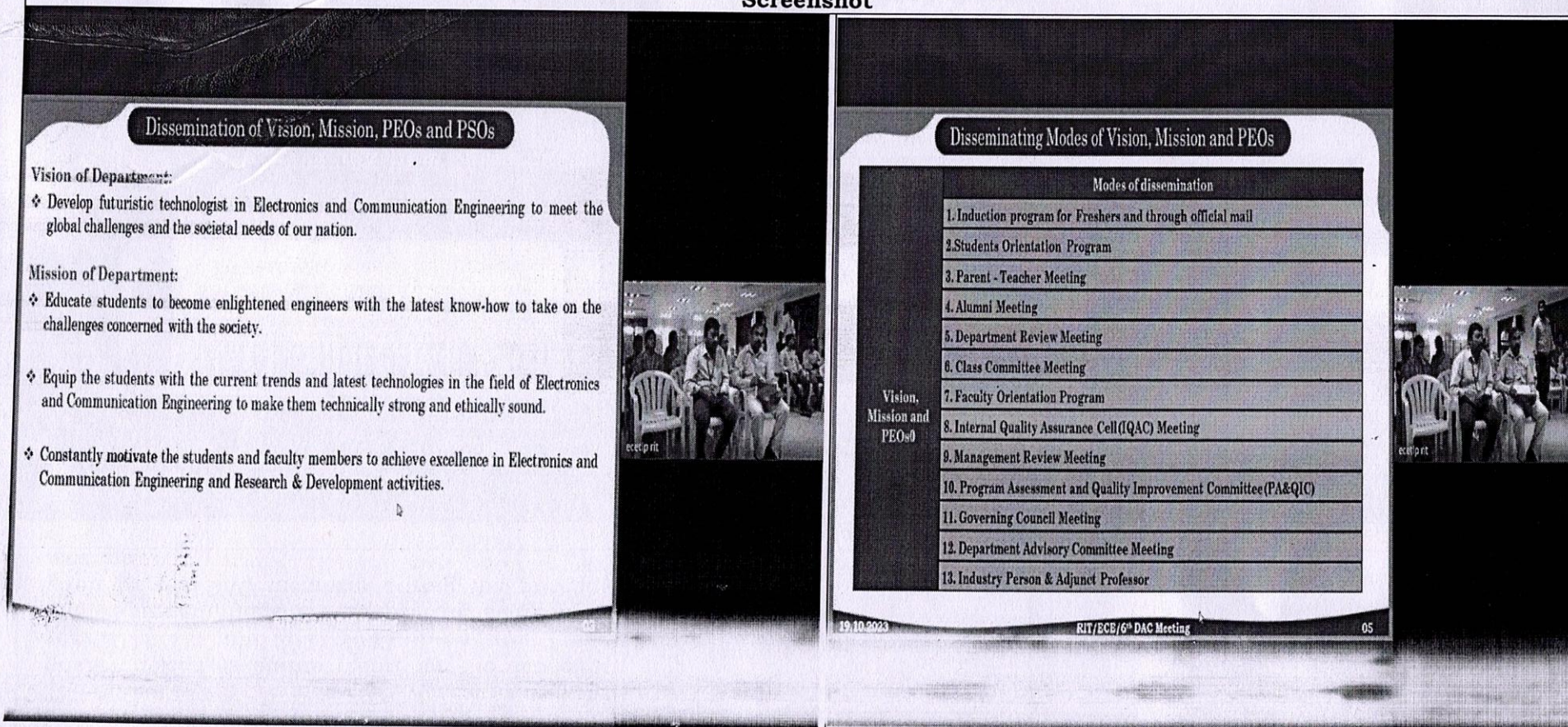
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2. Dissemination of Institute and Department Vision, Mission, Department PEOs and PSOs. (by Ms.S.Harini shriram)

Points Delivered by the Faculty Members	Suggestions were given by DAC Members	Remarks with Target Date and Responsibility
<ul style="list-style-type: none"> Department Vision, Mission, Program Educational Objectives (PEOs), and Program Specific Outcomes (PSOs). 	<ul style="list-style-type: none"> DAC members suggested reframing the Vision and Mission of the department while going for Autonomous institution status. 	<p>Remarks: Nil Target Date: Nil Responsibility: Nil</p>

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3. Program Curriculum, Processes Followed to Improve Quality of Teaching and Learning, Quality of Internal Question Papers, Assignments and Evaluation, Quality of Student Projects, Initiatives Related to Industry Interaction, Initiatives Related to Industry Internship/Summer Training.

(by Dr.S.Vairaprakash, Dr.A.Lakshmi, Mr.D.Gopinath, Mr.A.Rameshbabu & Ms.R.Chandralekha)

Points Delivered by the Faculty Members	Suggestions were given by DAC Members	Remarks with Target Date and Responsibility
<ul style="list-style-type: none"> • Shared the details of MOUs signed in the academic year 2022-2023 with various industries. • Explained the impact of MoUs. • Shared the participation of the students in Internships and in-plant training in industries. 	<ul style="list-style-type: none"> • The DAC members suggested to keep the documentation with proof well for all activities performed by students. • 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"> • Identified industry which is MOU with our Department, Consultancy work initiated with them. • Faculty in-charge asked to get industry-related problem statement from MoU Industry. <p>Target Date: Responsibility: Faculty Members</p>

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4. Attainment of COs, POs, PSOs with Program Effectiveness (2019-2023 Batch).

(by Dr.A.Azhagu Jaisudhan Pazhani, Mr.R.Deiva Nayagam, Mr.G.Sivakumar & Ms.S.Harini shriram)

Points Delivered by the Faculty Members	Suggestions were given by DAC Members	Remarks with Target Date and Responsibility
<ul style="list-style-type: none"> • Elaborated CO, PO and PSO attainment calculation procedure. In addition target fixing procedure also discussed. • Discussed about course target defined procedure for regulation 2021. • The course exit survey for indirect assessment for the last academic year (2022-2023) 	<ul style="list-style-type: none"> • Members suggested to define the procedure for fixing the target for regulation 2021. • Members suggested fixing the course target and CO Wise target by individual faculty members. • Members discussed about PO indirect assessment tools. Extracurricular and co-curricular activities should be taken for indirect assessments suggested by members. 	<p>Remarks: Encourage the students to participate in various co-curricular and extra curricular activities to meet out the outcomes</p> <p>Target Date: Continous</p> <p>Responsibility: Faculty Members</p>

Screenshot

Score	1	2	3	4	5	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	
#Score 5	46	36	43	42	41	47	42	50	45	44	47	48	46	43	45	46	45	44	43	44	47	45	44	47	50
#Score 4	19	27	20	15	16	16	19	20	19	16	17	15	13	16	19	18	14	19	18	16	18	15	20	18	12
#Score 3	4	6	7	9	7	9	7	6	5	8	7	8	4	5	3	4	4	6	4	8	5	5	7	7	6
#Score 2	1	1	1	1	2	0	1	0	1	4	1	1	1	2	2	1	0	0	1	0	1	1	0	0	0
#Score 1	0	0	0	0	0	0	0	1	1	0	0	1	0	0	1	0	1	0	0	1	1	0	0	1	1

5. Students Enrolment Ratio, Students Success Rate, Students Academic Performance, Placement, Higher Studies and Entrepreneurship, Professional Activities.

(by Mrs.V.SlirengaNachiyar, Mr.A.Rameshbabu, Mr.P.Venkatesh, Ms.S.Harini shriram, & Mr.R.Ramasamy)

Points Delivered by the Faculty Members	Suggestions were given by DAC Members	Remarks with Target Date and Responsibility
<ul style="list-style-type: none"> • Students enrolment ratio • Students success rate • Students academic performance • Placement details, • Higher studies and entrprenuership • Professional activities 	<ul style="list-style-type: none"> • The DAC members told about the enrolment ratio, 75% in previous three years & Now in current academic year is almost 97%. So it shows the quality & progresive performance of the department. • The DAC members suggested to categorize the students depends upon the company like IT, Core & students placed in Government sector and salary package should be mentioned in presentation. 	<p>Remarks:</p> <ul style="list-style-type: none"> • Identify the MOU signed industries for consultancy work. <p>Target Date:</p> <p>Responsibility: Faculty Members</p>

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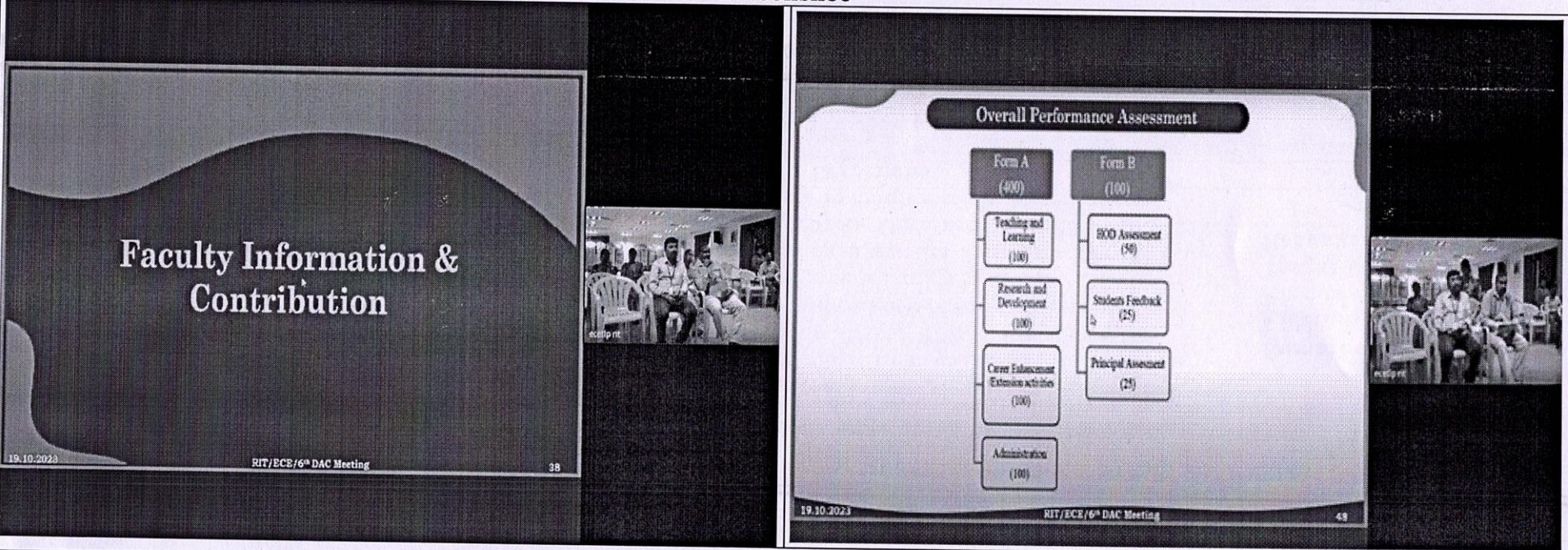
Item (Information to be provided cumulatively for all the shifts with explicit headings, wherever applicable)	2023-2024 (CAY)	2022-2023 (CAYm1)	2021-2022 (CAYm2)	2020-2021 (CAYm3)
Sanctioned intake of the program (N)	120	120	120	120
Total number of students admitted in first year minus number of students migrated to other programs/ institutions plus no. of students migrated to this program (N1)	123	112	116	91
Number of students admitted in 2nd year in the same batch via lateral entry (N2)	-	10	8	8
Separate division students, if applicable (N3)	-	-	-	-
Total number of students admitted in the Program (N1 + N2 + N3)	-	122	124	99

6. Student-Faculty Ratio, Faculty Cadre Proportion, Faculty Qualification, Innovation by Faculty in Teaching and Learning, Faculty Participations, Research and Development, Faculty Performance Appraisal, Visiting/Adjunct Faculty.

(by Dr.R.Rajalakshmi, Mrs.S.Jeeva, Mr.P.Gunasekaran, & L.Krishna Kumari)

Points Delivered by the Faculty Members	Suggestions were given by DAC Members	Remarks with Target Date and Responsibility
<ul style="list-style-type: none"> Shared the PO and PSO attainment details and action taken for improvement of attainment. Students are encouraged to prepare and file patents to address novel solutions to existing problems. Students are motivated to submit proposals to funding agencies like FAER, TNSCST. Onion grand challenge, MSME. These are some of the actions taken for PO and PSO Improvement. As part of academic Audit Expert members from premier institute are solicited for auditing academic processes. Apart from this academic audit, we have internal and external ISO audits also to audit all the academic processes in ISO metrics. 	<ul style="list-style-type: none"> The DAC members suggested to include CO attainment percentages for co curricular and extra curricular activities in academic audit. 	<p>Remarks:</p> <ul style="list-style-type: none"> From the suggestions given by DAC Members CO Attainment for co curricular and extra curricular activities will be included in the academic audit. <p>Target Date: December 2023 Responsibility: Faculty Members</p>

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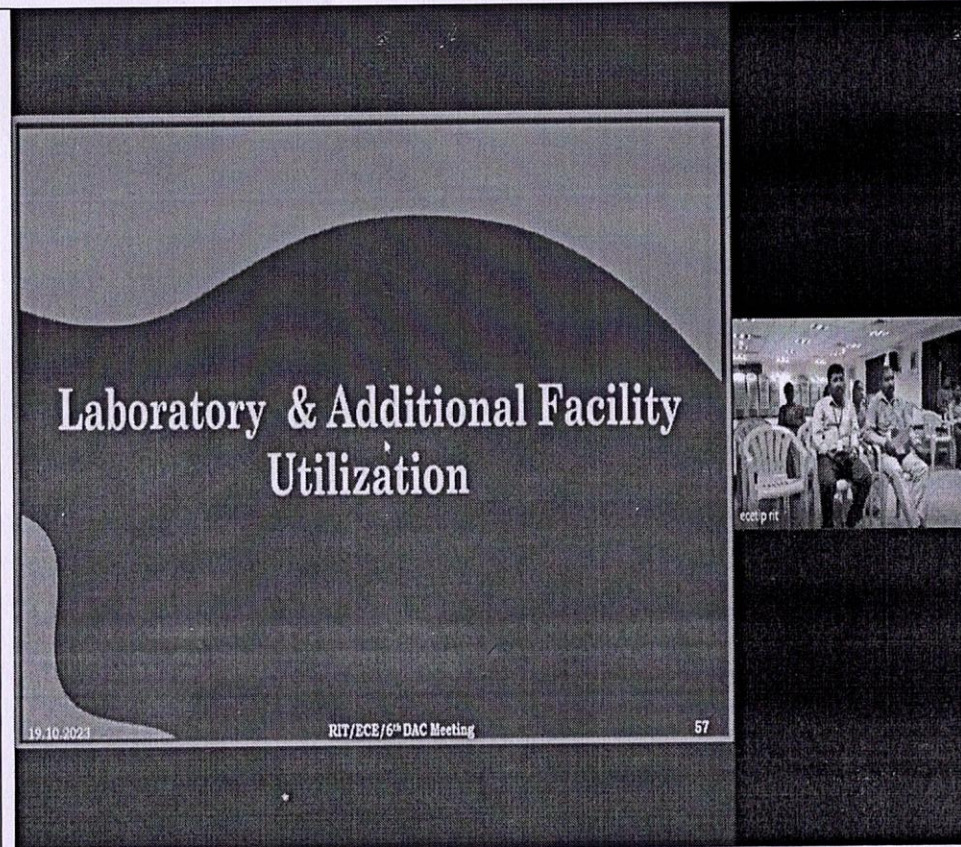


7. New Facilities Created and Technical Support.

(by Dr.S.Vairaprakash & Dr.E.Emerson Nithiyaraj)

Points Delivered by the Faculty Members	Suggestions were given by DAC Members	Remarks with Target Date and Responsibility
<ul style="list-style-type: none"> • Additional Laboratories. • Laboratory utilization for the experiments and projects. • Virtual lab utilization. 	<ul style="list-style-type: none"> • The DAC members suggested to include laboratory utilization percentage. • Asked to split the day utilization of the students, like theory hour's laboratory hours and laboratory used for the mini/major projects. • Suggested to plan more hands-on training to the students. 	<p>Remarks:</p> <ul style="list-style-type: none"> • Planned to improve the utilization of the additional laboratory for the projects. <p>Target Date: Continuous</p> <p>Responsibility: All Faculty members/Lab In-charges and HOD/ECE.</p>

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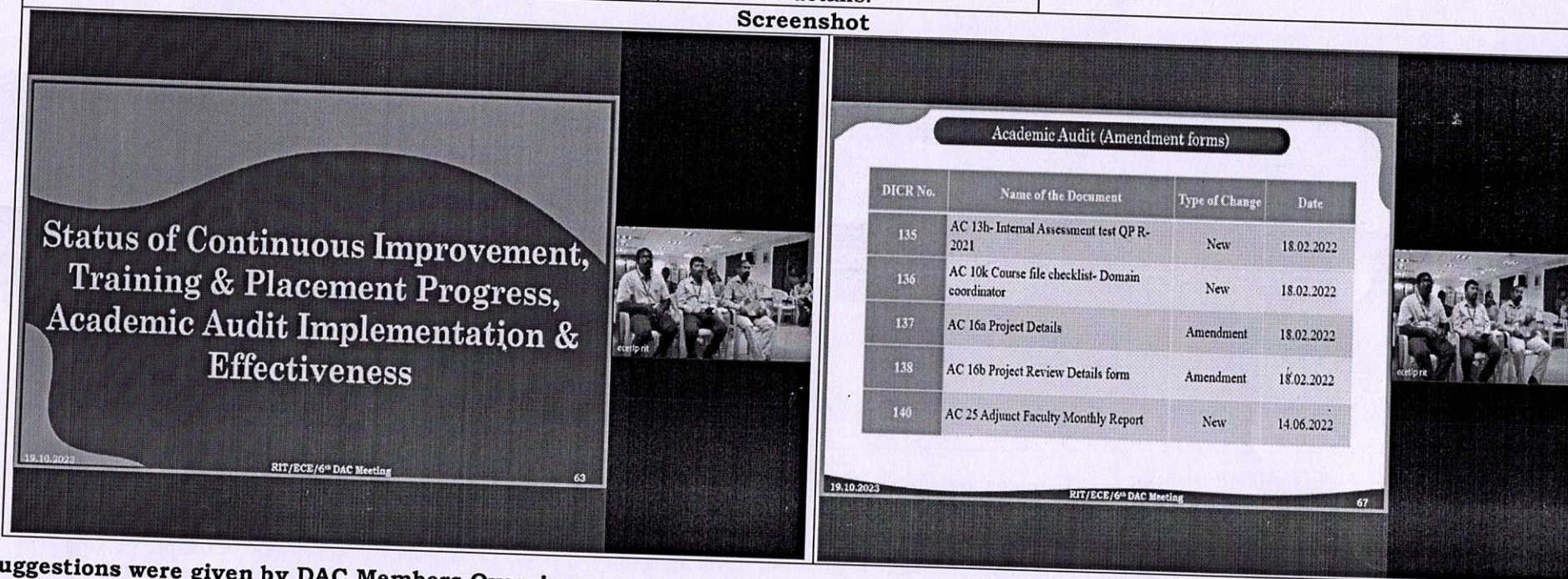


Additional Laboratories					
Sl. No.	Name of the Laboratory	Year of establishment	Available facilities	PO and PSO relevance	Utilization
3.	Tessolve Semiconductor Test Engineering Laboratory	2017-2018	ADM's LG-Lite ATE with Load board LGPG125 Drive Logic & Sense Logic Characteristics	Relevant to PO1, PO2,PO3,PO5,PO6,PO8,PO9,PO10,PO12 & PSO2, PSO3, PSO4	During internship the students will utilize
4.	e-Yatra Laboratory	2018-2019	FireBird V 2560, Spark V Robot, FireBird V P89V51RD2, adapter card, FireBird V LPC2148 adapter card, P89V51RD2 development board	Relevant to PO1, PO2, PO3,PO4, PO5,PO8,PO12 & PSO2	Students - 12

8. Status of Continuous Improvement, Training & Placement Progress, Academic Audit Implementation and Effectiveness.
(by Mrs.R.Ramalakshmi, L.Krishna Kumari & Mr.R.Ramasamy)

Points Delivered by the Faculty Members	Suggestions were given by DAC Members	Remarks with Target Date and Responsibility
<ul style="list-style-type: none"> Presented the placement analysis of 2018-2022 & 2019-2023 Batch Students details. Discussed the overall placement statistics, company visited details and also about the admission statistics in college. 	<ul style="list-style-type: none"> The DAC members suggested to categorize (core and software) the students placed companies. The DAC members suggested to analyse the not yet placed students details. 	<p>Remarks:</p> <ul style="list-style-type: none"> Planned to implement in the 2020-2024 Batch. <p>Target Date: May 2024 Responsibility: Faculty Members.</p>

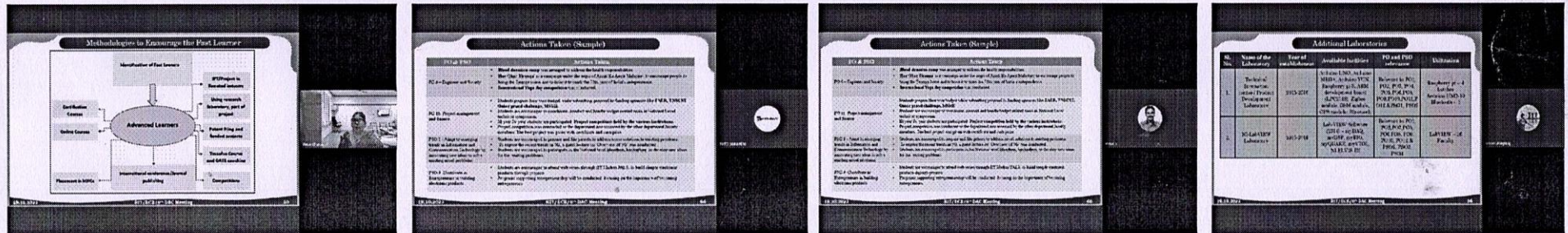
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Suggestions were given by DAC Members Overview:

- The DAC members suggested to keep the documentation with proof well for all activities performed by students.
- To improve the department and industry interaction, the DAC member suggested to get at least one problem statement per industry.
- Members suggested to define the procedure for fixing the target for regulation 2021.
- Members suggested fixing the course target and the CO Wise target by individual faculty members.

- Members discussed about PO indirect assessment tools. Extracurricular and co-curricular activities should be taken for indirect assessments suggested by members.
- The DAC members told about the enrolment ratio, 75% in previous three years & Now in current academic year is almost 97%. So it shows the quality & progressive performance of the department.
- The DAC members suggested to categorize the students depends upon the company like IT, Core & students placed in Government sector and salary package should be mentioned in presentation.
- The DAC members suggested to include CO attainment percentages for co curricular and extra curricular activities in academic audit.
- The DAC members suggested to include a laboratory utilization percentage.
- Asked to split the day utilization of the students like theory hour's laboratory hours and laboratory used for the mini/major projects.
- Suggest to plan more hands-on training to the students.
- The DAC members suggested to categorize (core and software) the students placed in companies.
- The DAC members suggested to analyse the not yet placed students' details.
- Members asked to improve library utilization.
- Asked to calculate H-Index for the ECE department.
- Members suggested improving industry-oriented projects.



Prepared by:
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 12/12/2023

Verified by:
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Approved by:
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 13/12/23

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

Department of Electronics and Communication Engineering Academic Year 2022-2023 Program Assessment and Quality Improvement Committee Meeting-VI

Ref.: Ref.: RIT/Academic/ECE/PA&QIC/06

Date: 20.04.2023

MINUTES OF SIXTH PROGRAM ASSESSMENT AND QUALITY IMPROVEMENT COMMITTEE MEETING

The Sixth Program Assessment and Quality Improvement Committee Meeting was held on 11.04.2023 at ECE Seminar Hall with the following Agenda.

- Review of Previous Meeting (5th PA&QIC)
- Dissemination of vision, mission, POs, PSOs and PEOs.
- Teaching and Learning Methods Practiced
- Industry Interaction and its impact – Internship and In-Plant Training
- Proposed methodology for Attainment of COs, POs, PSOs with program effectiveness (2022-2023) – Odd
- Students performance in Co-curricular and Extra-curricular activities and initiatives taken towards CO attainment
- Training and Placement progress with qualitative and quantitative analysis
- Research and Development Activities
- Alumni Interaction and Stake holders feedback analysis
- Department outreach activities
- Department Budget Allocation 2022-2023 and its utilization 2021-2022

(by Dr.A.Azhagu Jaisudhan Pazhani, Associate Professor/ECE)

1. Welcome Address

Dr.C.Arunachala Perumal, Professor/ECE welcomed the PA&QIC members for the Fifth meeting and reiterated the agenda of the meeting. The members present are,

Dr.C.Arunachala Perumal	Professor & HoD, Department of ECE, Ramco Institute of Technology, Rajapalayam
Dr.A.Azhagu Jaisudhan Pazhani	Associate Professor, Department of ECE, Ramco Institute of Technology, Rajapalayam
Dr.S.Vairaprakash	Associate Professor, Department of ECE, Ramco Institute of Technology, Rajapalayam
Dr.V.Sivakumar	Associate Professor, Department of Mechanical Engineering, Ramco Institute of Technology, Rajapalayam
Mrs.D.Darling Helen Lydia	Assistant Professor, Department of Civil Engineering, Ramco Institute of Technology, Rajapalayam
Mrs.B.Vijayalakshmi	Assistant Professor (SG), Department of CSE, Ramco Institute of Technology, Rajapalayam
Mr. A.S.Vigneshwar	Assistant Professor, Department of EEE, Ramco Institute of Technology, Rajapalayam
Dr.L.Sathikala	Associate Professor, Department of Mathematics, Ramco Institute of Technology, Rajapalayam

1. Review of previous meeting (5th PAQIC) and Review of Quality Objectives

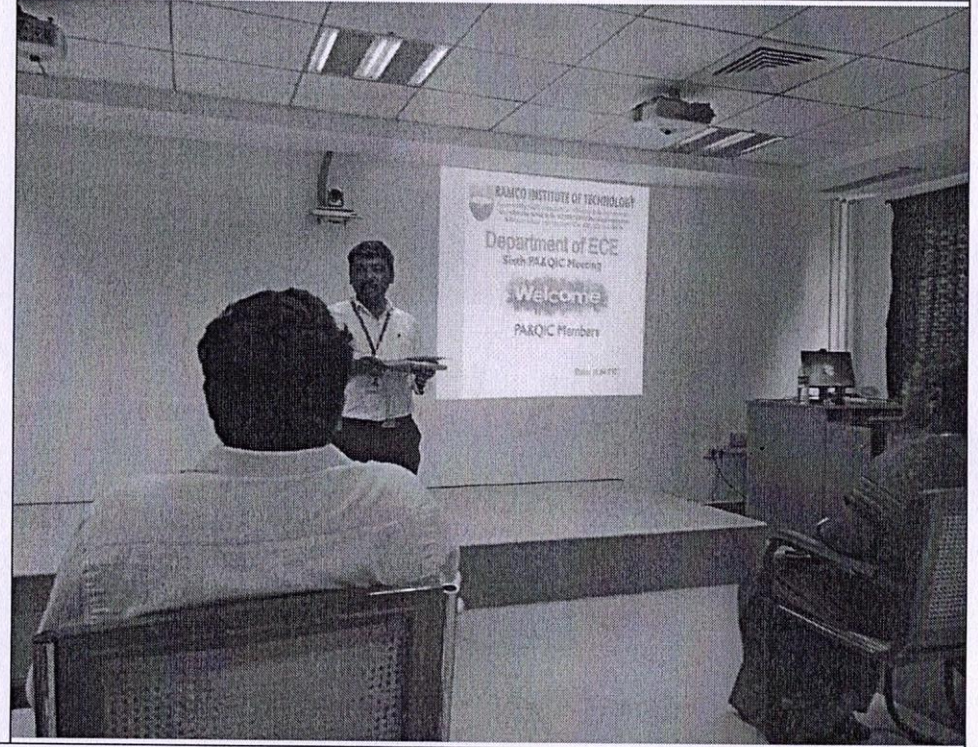
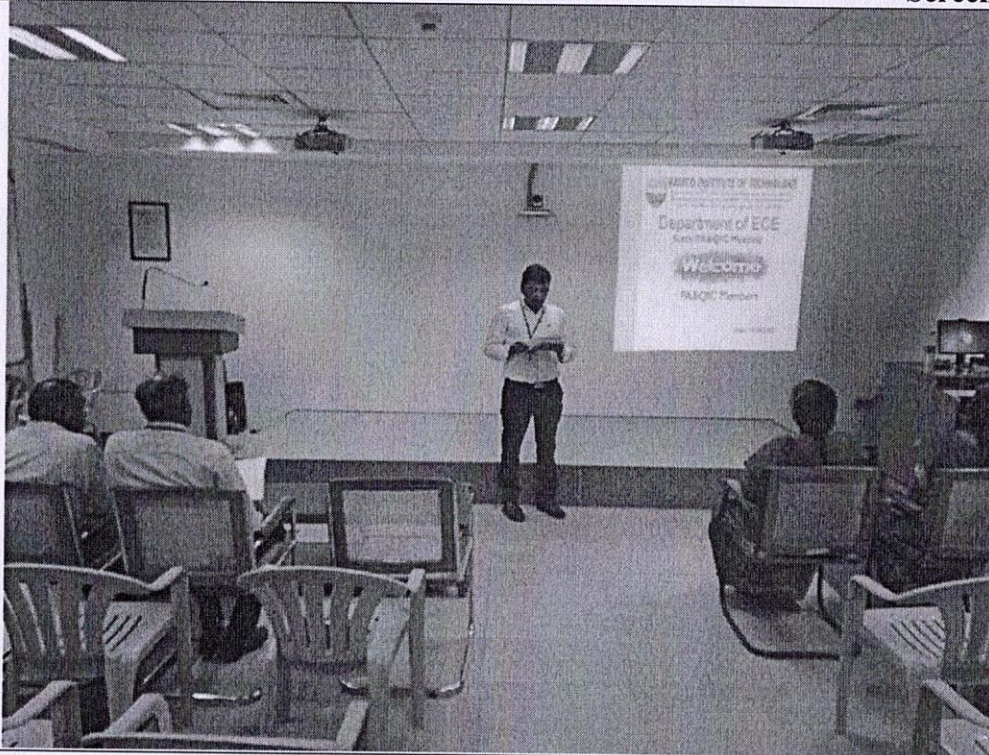
(by Dr.A.Azhagu Jaisudhan Pazhani, Asso. Prof/ECE)

Points Delivered by the Faculty Members	Suggestions were given by PA&QIC Members	Remarks with Target Date and Responsibility
<ul style="list-style-type: none">• Dr.A.Azhagu Jaisudhan Pazhani Associate Professor/ECE prefetched the suggestions and its implementation given by members in 5th PAQIC meetings.• He provided a detailed presentation on the Fifth PA&QIC meeting as per the recommendation to implement.• Curricular gap was addressed and discussed about its implementation• Framed roles and responsibilities of domain coordinators.• Recommended to conduct workshop for students using MODROB components• For R2021, the Attainment Target value for theory course is set as 1.85 and for laboratory, it is set as 2.1.• Number of students participated in the inter college participation.• Internship impact analysis for 2018-2022 batch students was done and also Internship impact analysis for 2019-2023 batch students will be	NIL	NIL

presented in the upcoming PAQIC meeting.

- Awareness Programme on higher studies in India and abroad students details were discussed
- Communication, interaction, and the outcome of adjunct professor was included. Proofs of interaction between Faculty members and Visiting faculty in FDP, Proofs of interaction between students and Visiting faculty was included.

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

(by Ms.S.Harini Shriram, AP/ECE)

Points Delivered by the Faculty Members	Suggestions were given by PA&QIC Members	Remarks with Target Date and Responsibility
<ul style="list-style-type: none"> Ms.S.Harini Shriram, AP/ECE explained the department Vision, Mission, Program Educational Objectives (PEOs), and Program Specific Outcomes (PSOs) and their dissemination details with evidence. She presented the Consistency of PEOS with the Mission of the department along with the evidence 	<ul style="list-style-type: none"> Members insisted to include few more photos related to criteria 1 with brief introduction. PA&QIC members suggested reframing the Vision and Mission of the department while going for Autonomous institution status. 	<p>Remarks: Faculty incharge requested to take steps to implement the suggestions</p> <p>Target Date: June 2024</p> <p>Responsibility: Ms.S.Harini Shriram</p>

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Vision and Mission of Department

Vision of Department

- Vision: Develop futuristic technologist in Electronics and Communication Engineering to meet the global challenges and the societal needs of our nation..

Mission of 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

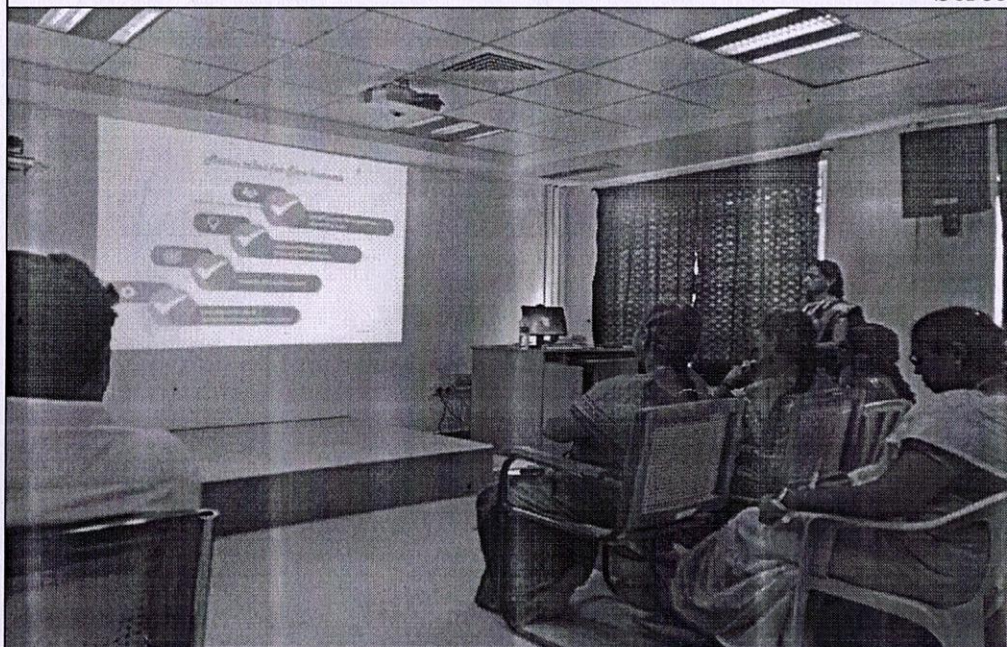
3. Teaching and Learning

(by Mrs.G.Gnana Priya, AP (SG)/ECE)

New initiative taken for quality improvement in Teaching and Learning: (Curricular Gap Identification, Question paper quality improvement, Action taken for slow learners and bright students and Innovative practices)

Points Delivered by the Faculty Members	Suggestions were given by PA&QIC Members	Remarks with Target Date and Responsibility
<ul style="list-style-type: none"> The coordinator presented the details of curricular gap/suggestions in the syllabus/curriculum to meet industry needs/expectations She explained about virtual lab utilization, innovative method practiced and its implications The coordinator presented the details of action taken for slow learners and initiative for bright students 	<ul style="list-style-type: none"> Suggested to include the proof got from stake holders for Curriculum gap identification. Suggested to include the outcomes of Value added courses and PO mapping to be done. Innovative practices proof to be updated in the website. Slow learner/Bright students' classification criteria to be mentioned. Bright students to be encouraged to participate in conference, journal publication, online courses etc., 	<p>Remarks: Faculty incharge is requested to take steps to incorporate the suggestions. Target Date: Next PAQIC Responsibility: Criteria 2 incharges and VAC incharge</p>

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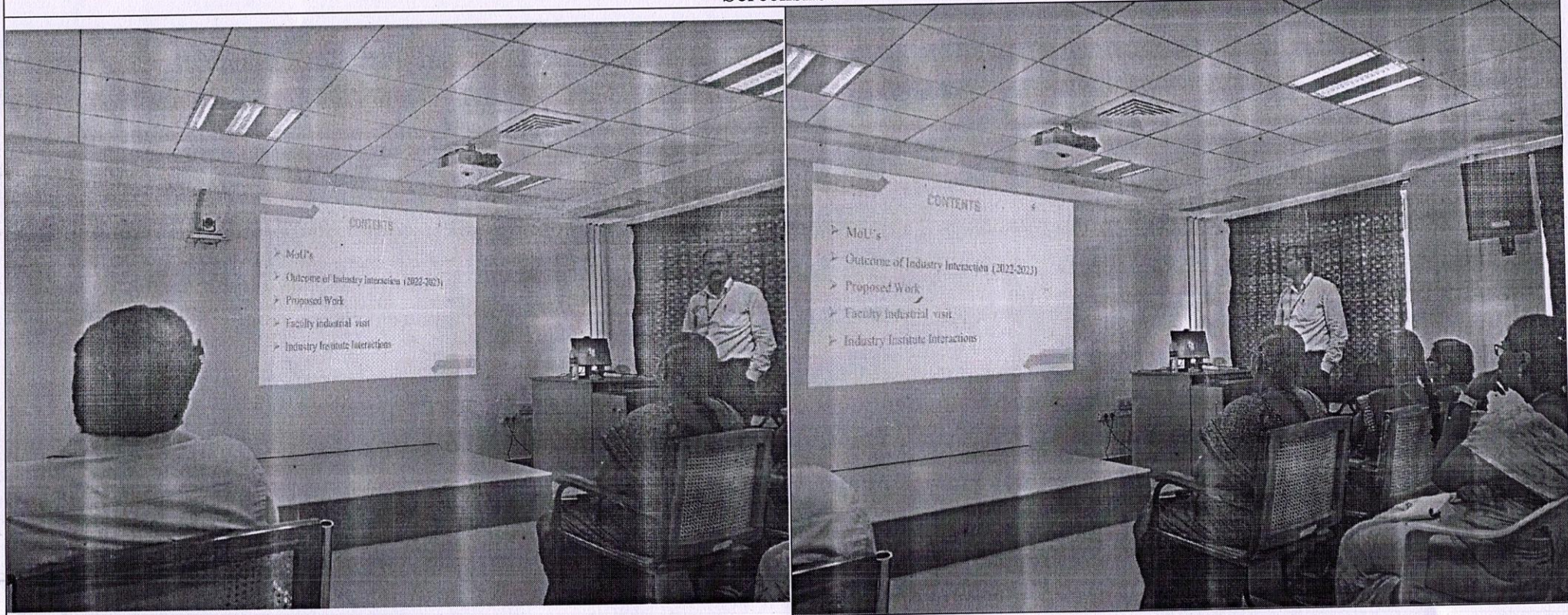
Content Beyond Syllabus - Plan & Execution - 2022-2023 (Odd Semester)

Sl. No.	Semester/Course Code & Title	Topic
1	I/GE3151 Problem Solving and Python Programming	Machine Learning Applications using Python
2	III/EC3352 Digital Systems Design	Verilog Programming for Combinational Logic Circuits
3	III/EC3354 Signals and Systems	Classification of Even and Odd Signals, Causal & Non-Causal signals
4	V/EC8551 Communication Networks	Digital Signature Algorithm
5	V/EC8501 Digital Communication	OFDM - Orthogonal Frequency Division multiplexing
6	VII/EC8702 Adhoc and Wireless Sensor Networks	DSR based on Topology Information Organization
7	VII/EC8791 Embedded and Real Time Systems	Introduction to Internet of Things The Future of Biomedical Engineering and Robotics Technology
8	VII/EC8701 Antennas and Microwave Engineering	Planar Inverted F Antenna Design and Analysis of Fractal antenna

4. Impact analysis of Institute – Industry Interaction, Internship and In-Plant Training (by Mr.D.Gopinath & Mr.G.Sivakumar, AP/ECE)

Points Delivered by the Faculty Members	Suggestions were given by PA&QIC Members	Remarks with Target Date and Responsibility
<ul style="list-style-type: none"> Presented the details of students Internship & Industrial visit details and Review process Presented the next academic year Internship plan 	<ul style="list-style-type: none"> Members were insisted to do Internship impact analysis with placement details 	<p>Remarks: Faculty incharges are requested Internship impact analysis with placement details. Target Date: December 2023</p> <p>Responsibility: 1. Mr.D.Gopinath & MoU Incharge</p>

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5. Proposed methodology for Attainment of COs, POs, PSOs with program effectiveness (2022-2023) – Odd (by Dr.S.Vairaprakash , ASP/ECE)

Points Delivered by the Faculty Members	Suggestions were given by PA&QIC Members	Remarks with Target Date and Responsibility
<p>Dr.S.Vairaprakash explained CO, PO, PSO attainment procedure which covers direct attainment, indirect attainment.</p> <p>The following procedures are followed:</p> <ul style="list-style-type: none"> • Domain coordinators are assigned based on specialization. • For the academic year 2021-2022 , the weightage for course target for R2017 is fixed as follows : Online exam : 80% Offline Exam :100% • Through ERP portal, CO attainment will be obtained for the subjects. • For direct attainment of CO, Internal Assessment, Assignments / Tutorials / Quizzes / Mini Project/presentation, University Examination grades will be considered. • For Indirect attainment, Course End survey through Online will be considered. • For Program outcome calculation, Recruiter feedback is introduced in the indirect assessment. • For R2021, course target is fixed as follows: Theory Subjects: 1.85, Laboratory subjects: 2.1 	<ul style="list-style-type: none"> • Suggested to include certification course in teaching learning process. • Domain coordinators must conduct at least two meetings along with their course instructors at the beginning and end of the semester. They have to record the calculation of CO target procedure for the courses in the minutes of the meeting. • Domain coordinators suggested to fix the course target based upon the nature of subjects 	<p>Remarks:</p> <ul style="list-style-type: none"> • Criteria 3 Coordinator requested to take necessary steps to implement the suggestions <p>Target Date: December 2023</p> <p>Responsibility: Criteria 3 Coordinators</p>

Screenshot

CO Attainment calculation	CO Attainment Target (AY 2021 – 2022)														
<ul style="list-style-type: none"> ❖ Direct Attainment <ul style="list-style-type: none"> ✓ Attainment through Internal Assessment <ul style="list-style-type: none"> ▪ Internal Assessment Test ▪ Assignments and Tutorials ✓ Attainment through University Examination ❖ Indirect Attainment <ul style="list-style-type: none"> ✓ Course Exit Survey 	<table border="1" data-bbox="1317 1161 1832 1241"> <thead> <tr> <th>Mode of Exam</th> <th>Target Attainment</th> </tr> </thead> <tbody> <tr> <td>Online Mode</td> <td>(80 % of AGPA × 0.3)</td> </tr> <tr> <td>Offline Mode</td> <td>(100 % of AGPA × 0.3)</td> </tr> </tbody> </table> <table border="1" data-bbox="1111 1249 2045 1465"> <thead> <tr> <th>Batch</th> <th>Target Attainment</th> </tr> </thead> <tbody> <tr> <td>2018-2022</td> <td>(80% of AGPA (2017-21) × 0.3) If it is less than previous Attainment keep previous attainment value as Target Attainment</td> </tr> <tr> <td>2019-2023</td> <td>[(100% of AGPA (2017-21) + 80% of AGPA (2018-22))/2 × 0.3] If it is less than previous Attainment keep previous attainment value as Target Attainment</td> </tr> <tr> <td>2020-2024</td> <td>[(100% of AGPA (2017-21) + 80% of AGPA (2018-22) + 80% of AGPA (2019-23))/3 × 0.3] If it is less than previous Attainment keep previous attainment value as</td> </tr> </tbody> </table>	Mode of Exam	Target Attainment	Online Mode	(80 % of AGPA × 0.3)	Offline Mode	(100 % of AGPA × 0.3)	Batch	Target Attainment	2018-2022	(80% of AGPA (2017-21) × 0.3) If it is less than previous Attainment keep previous attainment value as Target Attainment	2019-2023	[(100% of AGPA (2017-21) + 80% of AGPA (2018-22))/2 × 0.3] If it is less than previous Attainment keep previous attainment value as Target Attainment	2020-2024	[(100% of AGPA (2017-21) + 80% of AGPA (2018-22) + 80% of AGPA (2019-23))/3 × 0.3] If it is less than previous Attainment keep previous attainment value as
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6. Students performance in Co-curricular and Extra-curricular activities and initiatives taken towards CO attainment
 (by Mrs.Srienganachiyar, AP(SG)/ECE& Mr.R.Deiva Nayagam, AP/ECE)

Points Delivered by the Faculty Members	Suggestions were given by PA&QIC Members	Remarks with Target Date and Responsibility
<ul style="list-style-type: none"> Presented the number of students who participated in various co-curricular and extra-curricular activities from each class. Presented the details of students participation in other states co-curricular and extra-curricular activities. Presented the notable achievements and prize winner details from co-curricular and extra-curricular activities. Presented the details of students participation in value-added courses, online certification courses, and other courses. 	<ul style="list-style-type: none"> The student's participation in various activities was appreciated. The members suggested giving weightage to the course outcome attainment based on the outcome of various events through co-curricular activities. The members suggested to discuss with the HOD and faculty members about the weightage given for their participation in CO's. 	<p>Remarks:</p> <ul style="list-style-type: none"> Planned to apply project proposals for funding through IE(I), IETE Planned to make the students involved in various activities held in inter institutes and in other states. <p>Target Date: Continuous Responsibility: All Faculty Members, Project Coordinators, Professional society In-charges</p>

Screenshot



Content of Presentation

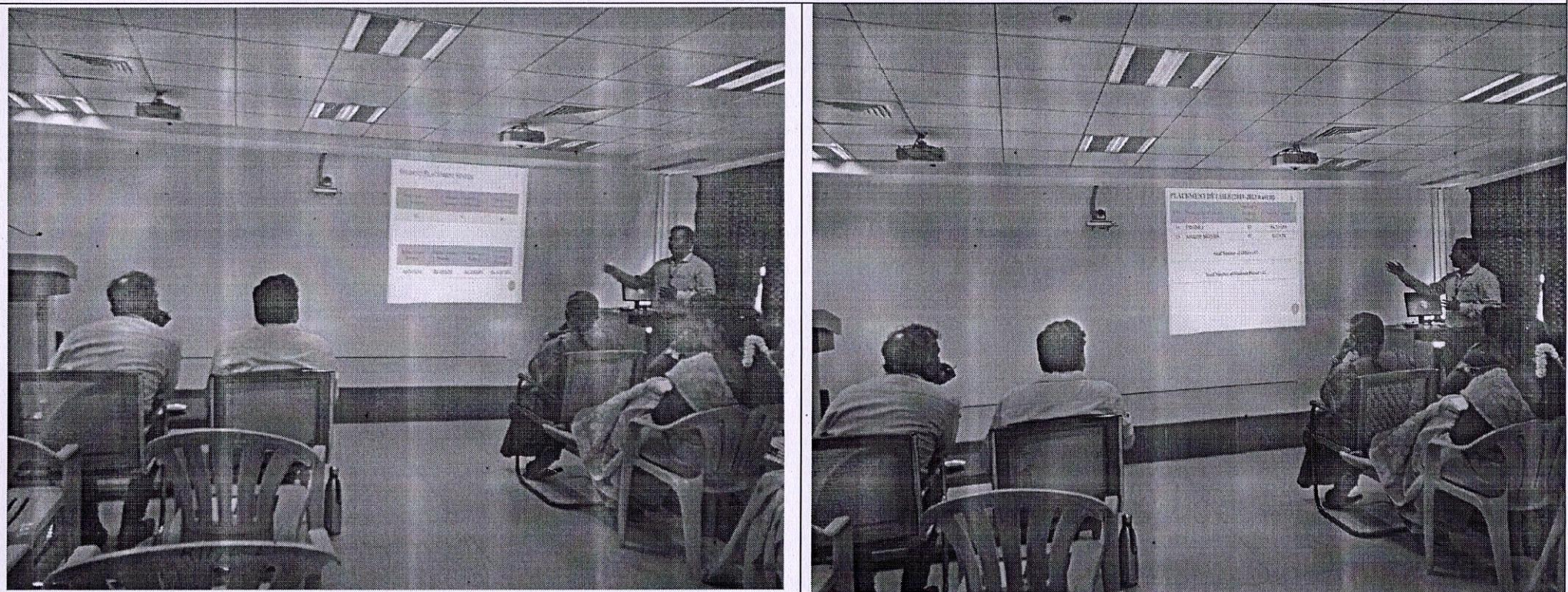
- Students Participation in Co-curricular Activities
- Students Participation in Extra curricular Activities
- Class Wise Participants
- Other State Participants
- Other State Participants Details
- Notable Achievements
- Prize Winners in Various Events
- Value Added Course Participants
- Certified Course Participant Details
- Students involvement in various courses

7. Training and Placement progress with qualitative and quantitative analysis

(by Mr.A.Ramesh Babu, AP/ECE)

Points Delivered by the Faculty Members	Suggestions were given by PA&QIC Members	Remarks with Target Date and Responsibility
<ul style="list-style-type: none"> The Coordinator presented the placed student details, the company invited for On Campus and Off Campus Drive for the batch 2019-2023. Details of the training provided for the batch 2019-2023 and 2019-2023 were presented by the coordinator. He explained about the steps taken to improve the quality of placements. Technical training and mock interview was conducted based on suggestions made by alumni. Interview experiences of alumni is shared with 2020-2024 batch students for the upcoming drives 	<ul style="list-style-type: none"> PAQIC Member insisted to increase the average and median salary for the upcoming 2019-2023 batch Members requested to set targets for placement companies. 	<p>Remarks:</p> <ul style="list-style-type: none"> Faculty members are requested to increase the median and average salary for the batch 2019-2023 <p>Target Date: May 2024 Responsibility: Placement Coordinator</p>

Screenshot

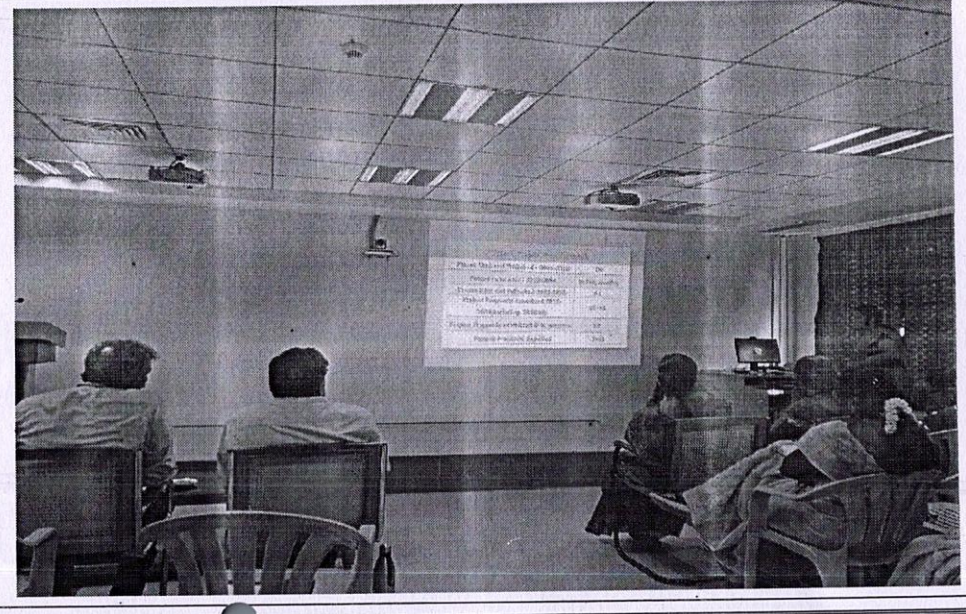
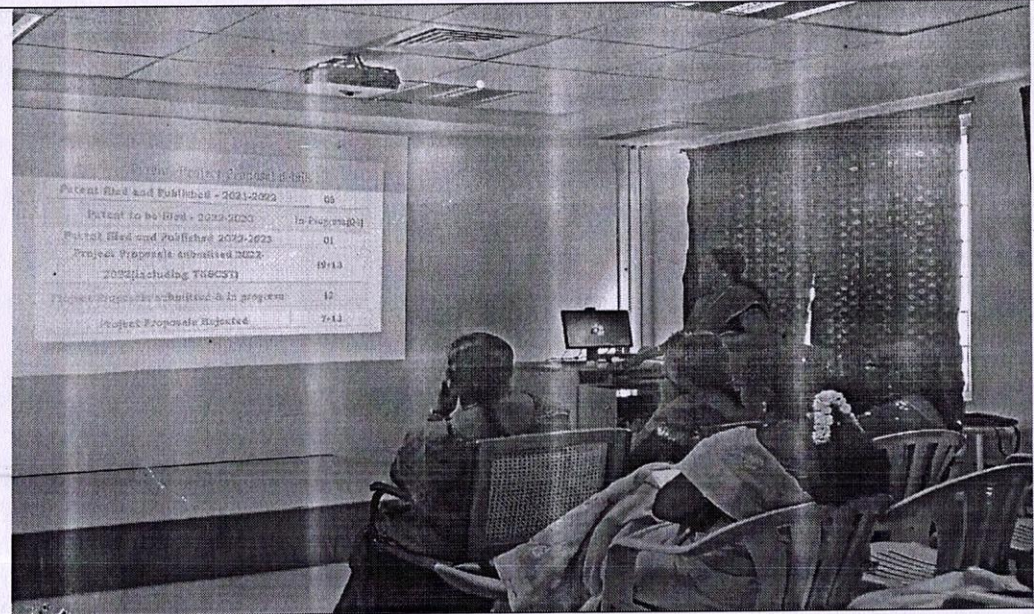


8. Research and Development Activities

(by Dr.R.Rajalakshmi, AP/ECE)

Points Delivered by the Faculty Members	Suggestions were given by PA&QIC Members	Remarks with Target Date and Responsibility
<ul style="list-style-type: none"> Presented R & D activities for the academic year 2022-2023: Faculty cadre proportion, Faculty qualification, Faculty retention calculation, Research publications, Project proposal submission, Patent filed details, Consultancy work, Journal reviewer, Honorary and Adjunct professor details 	<ul style="list-style-type: none"> Members suggested to review the project proposal's base work and identifying the reasons for rejection. The number of IPR generation needs to be increased Members suggested to bring outcome for all the MoU signed industries. Members insisted on improving the teaching and learning related journal publication. (like 20% Teaching & Learning publication & 80% Regular Domain Publication) Members suggested to publish the article in collaboration with an adjunct professor affiliated with RIT. FER comments of patent need to be discussed Members are advised to focus on higher-end conference publications. 	<p>Remarks:</p> <ul style="list-style-type: none"> Faculty incharge requested to take steps to implement the suggestions <p>Target Date: Nov 2023 Responsibility: Dr.R.Rajalakshmi</p>

Screenshot



9. Alumni Interaction and Stake holders feedback analysis

(by Dr.K.Ragavan, AP(SG)/ECE & Mrs.R.Ramalakshmi, AP(SG)/ECE)

Points Delivered by the Faculty Members	Suggestions were given by PA&QIC Members	Remarks with Target Date and Responsibility
<ul style="list-style-type: none"> Explained in detail regarding the stakeholder's feedback system and analysis for the academic year 2022-2023. Actions taken based upon the suggestions and feedback received from the stakeholders were explained in detail 	<ul style="list-style-type: none"> The PAQIC members suggested to implement and take action against the feedback received from the various stakeholders and also to take more attention in the action taken write up while uploading in the NAAC website. 	<p>Remarks:</p> <ul style="list-style-type: none"> Few of the suggestions and feedback received from the stakeholders are already implemented and yet to implement the other suggestions and feedback in this academic year <p>Target Date: June 2023 Responsibility: Students, Parents, Alumni, Recruiters, Faculty Members, HOD</p>

Screenshot

CONTENT

- ⊙ Students Feedback
 - ❖ Online Feedback System
 - ❖ Analysis of Online Feedback System
 - ❖ Class Committee & Course Committee Meetings
 - ❖ Mentor Meeting with Mentees
 - ❖ Programme Exit Survey
 - ❖ Course Exit Survey
- ⊙ Alumni Feedback
 - ❖ Alumni Meeting & Actions taken
- ⊙ Parents Feedback
 - ❖ PTA Meeting
 - ❖ Suggestions for Improvement
- ❖ Recruiters Feedback
 - ❖ Feedback Analysis
- ❖ Actions taken based upon the suggestions received from stakeholders

ONLINE FEED BACK SYSTEM – ONE PER SEMESTER (ODD) BATCH (2019-2023) A

RAMCO INSTITUTE OF TECHNOLOGY CONSOLIDATED DETAILS OF STUDENTS FEEDBACK											
Semester (2019-2023) A											
Sl. No.	Name of the Student	Faculty Name	Semester (2019-2023) A			Semester (2019-2023) B			Total	Percentage	Remarks
			Feedback	Response	Action	Feedback	Response	Action			
1
2
3
4
5
6
7
8
9
10

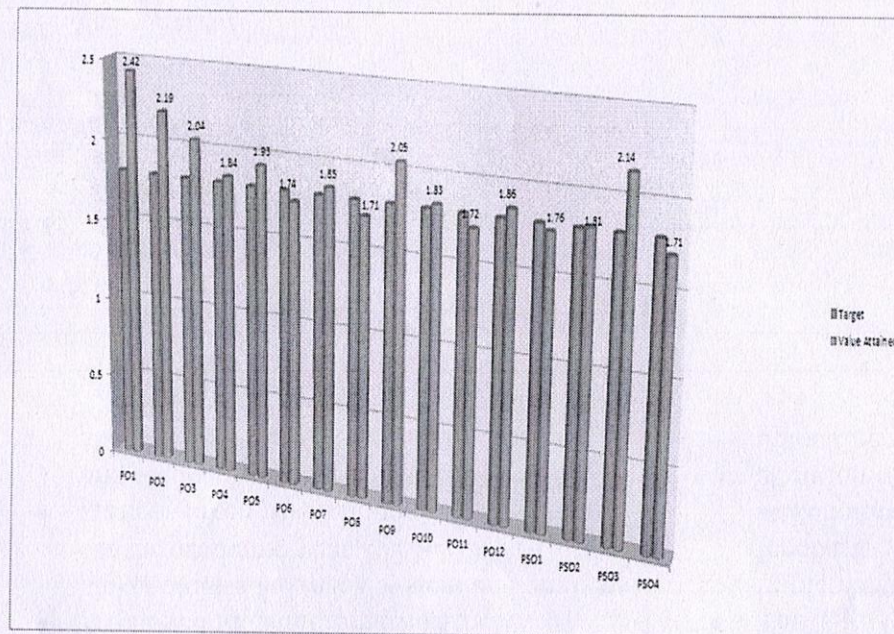
10. Department outreach activities

(by Dr.A.Lakshmi, ASP/ECE)

Points Delivered by the Faculty Members	Suggestions were given by PA&QIC Members	Remarks with Target Date and Responsibility
<ul style="list-style-type: none"> The Coordinator elaborated about additional lab facilities and its utilizations Actions taken for PO and PSO Improvement Academic Audit Improvement in Placement, Higher Studies & Entrepreneurship Improvement in Quality of students admitted 	<ul style="list-style-type: none"> For Extension activities, Consider for Polytechnic students also. The Faculty participation as Jury, DC member, BOS member and others can also be considered. 	<p>Remarks:</p> <ul style="list-style-type: none"> Faculty incharge requested to take steps to implement the suggestions <p>Target Date: Oct 2023 Responsibility: Dr.A.Lakshmi</p>

Screenshot

PO and PSO Attainment (20-21)



RAMCO INSTITUTE OF TECHNOLOGY

**Department of Electronics and Communication
Engineering**

PA& QIC VI

11.04.2023

*Continuous Improvement &
Department Outreach Activities*

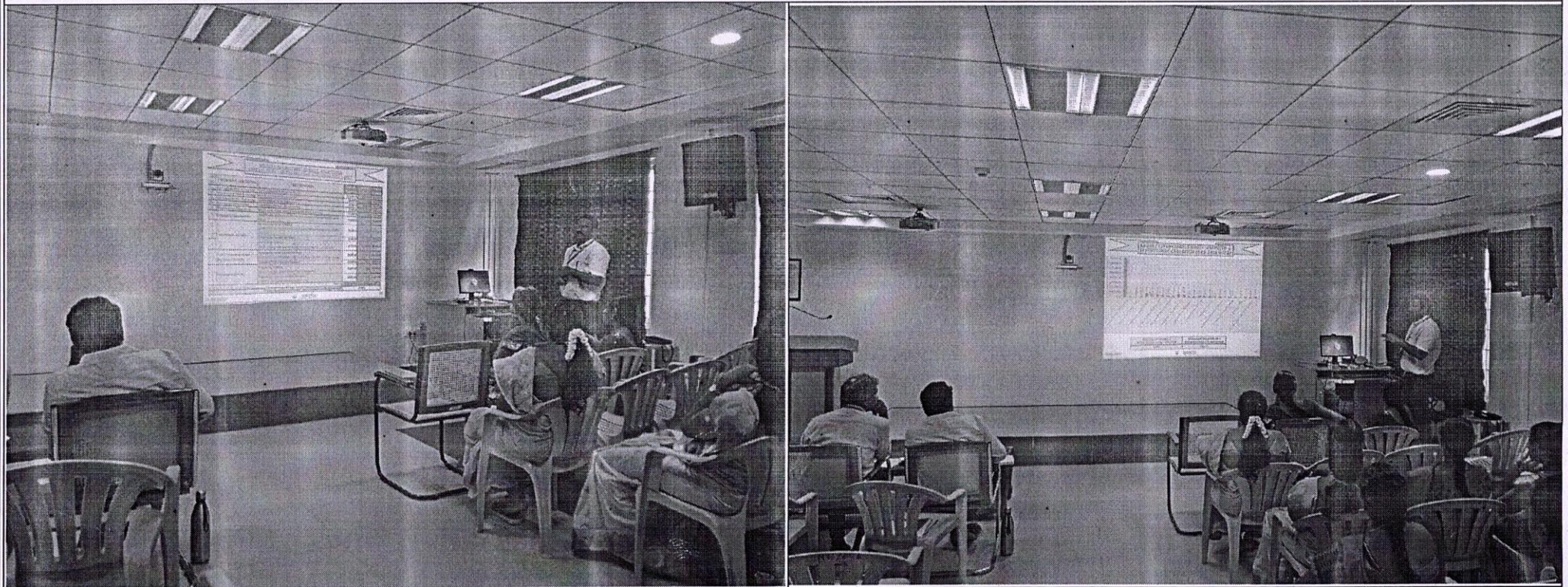
*Presented by
Dr.A.Lakshmi,
ASP/ECE,
RIT*

11. Department Budget Allocation 2022-2023 and its utilization 2021-2022

(by Mr.B.Kannan, AP(SG)/ECE)

Points Delivered by the Faculty Members	Suggestions were given by PA&QIC Members	Remarks with Target Date and Responsibility
<ul style="list-style-type: none"> Budget allotment, budget estimate, and actual utilization for the Academic years 2021-2022 are presented. Budget allotment and estimate submitted are discussed for the academic years 2022-2023. The amount of the allotted fund that was used and the remaining amount in each. category (Capital Goods, Recurring Items, Research & Development, Co-curricular Activities, Faculty Enhancement, and Enrichment Activities Department, and Development Activities and Miscellaneous) were discussed. 	<ul style="list-style-type: none"> Requested to use more than 95% of the available funds. 	<p>Remarks: Nil</p> <ul style="list-style-type: none"> Target Date: June 2023 Responsibility: Mr.B.Kannan

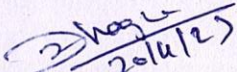
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Suggestions provided by the PAQIC members a summary:

Dr.V.Sivakumar ASCP/Mech, Mrs.B.Vijayalakshmi AP(SG)/CSE, Mr. A.S.Vigneshwar AP/EEE, Mrs.D.Darling Helen Lydia AP/CIVIL and Dr.L.Sathikala, ASP/maths suggested the following points,

- Suggested to update PO attainment details for previous batch to department website.
- Insisted to calculate PEOs value for department
- Suggested to compare end semester examination results with previous bathes
- Insisted to publish papers in teaching learning process beyond technical research
- Suggested to publish papers in ISBN conferences
- Suggested to increases patent and copy rights
- Insisted to maintain action taken report for stakeholders feedback
- Suggested to include & calculate PO attainment for internship
- Insisted to include curricular and extracurricular data for PO attainment calculations
- Suggested to maintain document for effective utilization of adjunct professor
- Increase the alumni contribution in the upcoming year.
- Insisted to maintain documents for major equipment utilization (5G Component)
- Insisted to maintain documents for quality admission
- Suggested to update department website dynamically
- Insisted to work towards NIRF/NAAC and NBA perspective.

Prepared by: 
20/11/25

Verified by: 

Approved by: 
28/6/23

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

2) File