

Dr. B C Roy Engineering College

Department of Electronics and Communication Engineering

Ref: BCREC/ECE/DAC/MoM/EVEN/25/08/04

Date: 04/08/2025

The Action Taken Report (ATR) for the academic year 2024-25 (EVEN) highlights the efforts undertaken by the ECE Department to address the key findings from the student feedback. Through targeted actions, such as the enhancement of extracurricular opportunities, improved mentorship programs, and the integration of real-world applications into the curriculum, significant progress has been made in addressing student concerns and fostering an enriched learning environment. These initiatives reflect the department's commitment to continuous improvement and holistic development.

To ensure sustained progress, further recommendations have been proposed, focusing on infrastructure upgrades, stronger industry connections, and consistent feedback mechanisms. The department remains dedicated to implementing these measures, strengthening the academic experience, and supporting student aspirations.

Report of the Special DAC Meeting

Held on: 04-08-2025

Venue: Advanced Prototype Lab

The Department Advisory Committee (DAC) convened to discuss the student feedback for the academic year 2024-25 and the subsequent action taken to address identified areas for improvement. The meeting concluded with the unanimous approval of the ATR and the proposed recommendations for sustained development.

Course-End Feedback Analysis and Action Taken Report (ATR)

1. Overview

The Course-End Feedback was collected and analysed across all semesters in the Electronics and Communication Engineering (ECE) Department for the Even Semester of 2024-25. The survey focused on multiple aspects of the academic process, including teaching quality, syllabus completion, evaluation fairness, and student engagement. This report summarizes the key findings and outlines actionable interventions implemented by the department.


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2. Key Feedback Summary

2.1 Strengths Identified

Parameter	Key Observation	% Positive Response
Syllabus Coverage	Majority of students confirmed completion between 85% and 100%.	85%
Teaching Approach	Rated "Excellent" or "Very Good" across faculty members.	80%+
Engagement & Communication	Students appreciated regular performance-related discussions.	78%
Overall Teaching-Learning Process	Strong satisfaction with the teaching-learning environment.	75%

2.2 Areas Needing Improvement

Area	Observation	% Positive Response
Fairness in Evaluation	Though 80% found it fair, several students noted unclear criteria in some courses.	80%
Use of Examples & Illustrations	Need for improved concept demonstration through real-life applications.	70%
Extracurricular Encouragement	First-year students felt the structure for non-academic involvement was insufficient.	65%

3. Actions Taken

3.1 Strengthening Teaching and Learning

- Introduced **case studies**, **problem-based learning**, and **industry scenarios** during lectures.
- Deployed **MATLAB**, **Simulink**, and domain-specific simulation tools in higher-semester labs.

3.2 Streamlining Evaluation Practices

- Conducted **faculty workshops** on clear articulation of evaluation rubrics.
- Implemented **standardized grading rubrics** for internal assessments and lab evaluations.
- Mandatory declaration of assessment criteria before each evaluation.

3.3 Improving Extracurricular Engagement

- Increased availability of **Xilinx Lab** and **Advanced Prototyping Lab** for student-led initiatives.
- Organized **hackathons**, **tech quizzes**, and **mini project expos** every alternate month.
- Initiated first-year **Induction Club Projects** to promote early exposure.


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3.4 Structured Performance Discussions

- Instituted **bi-semester one-on-one feedback sessions** between students and course instructors.
- Set up **mentorship groups** (faculty-to-student ratio of 1:10) for tailored academic guidance.

4. Semester-Specific Highlights

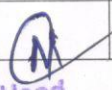
Semester	Key Challenge	Action Taken
1st Semester	Lack of real-world context in foundational subjects.	Open lab sessions in Basic Electrical Engineering and Engineering Drawing . Mini Projects.
3rd Semester	Demand for modern tool integration in labs.	Updated practical's with IoT kits, Raspberry Pi, and embedded modules .
5th Semester	Industry relevance of course material.	Introduced guest lectures and hands-on workshops with industry experts.
7th Semester	Limited time for project guidance amid tight curriculum.	Allocated dedicated weekly mentoring slots for final-year project discussions.

5. Recommendations

Area	Suggested Initiative
Mentorship Enhancement	Define measurable mentorship objectives tied to semester-wise milestones.
Industry Integration	Extend MoUs with core companies for internships and curriculum inputs.
Interactive Pedagogy	Introduce AR/VR modules , gamified simulations, and interactive platforms .
Feedback Loop	Conduct mid-semester anonymous feedback to allow timely corrective measures.

6. Summary Statistics (at a glance)

Parameter	Value
% Satisfied with Teaching	81%
% Satisfied with Syllabus Coverage	85%
% Calling Evaluation Fair	80%
% Want More Examples in Teaching	30%
% Want Better Extracurricular Scope	35%


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Semester-End Feedback Action Taken Report (ATR)

1. Overview

This Action Taken Report (ATR) summarizes the feedback received from students of the Electronics and Communication Engineering (ECE) Department for the Even Semester 2024–25. The report categorizes key observations into academic and facility-related themes, identifies critical challenges, and documents actions undertaken to improve the academic experience and campus infrastructure.

2. Key Feedback Summary

2.1 Academic Feedback

Parameter	Positive Response (%)	Observations / Challenges
Knowledge Acquisition	78%	12% felt uncertain about practical application of knowledge.
Mentorship & Counselling	80%	Inconsistencies noted in 2nd-year mentorship quality.
Pedagogy & Communication	85%	8% requested more interactive and participative classroom formats.
Communication Skill Gains	82%	Indication of growth, but requires reinforcement in some groups.


2.2 Facility Feedback

Facility Area	Positive Response (%)	Observations / Challenges
Laboratories & Libraries	65%+ rated Excellent/Very Good	Concerns about limited equipment and restricted access hours.
Hostel Hygiene & Amenities	67% rated Good or above	13% rated amenities Poor; 20% dissatisfied with hygiene.
Internet Access	Only 15% rated Excellent/Very Good	Noted as the lowest-rated area; poor connectivity in hostels.

3. Actions Taken

3.1 Academic Interventions

Initiative	Description
Mini-Projects & Lab Enhancement	Integrated hands-on mini-projects in the Xilinx and Advanced Prototyping Labs .
Real-Life Case Integration	Developed new case-based assignments for practical reinforcement of theoretical topics.


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Structured Mentorship Groups	Reduced batch sizes in mentorship groups; senior faculty assigned as mentors for consistency.
Faculty Pedagogy Workshops	Conducted internal workshops on flipped classroom , simulation-based learning strategies.
Interactive Lectures	Adopted visual aids, animations, and live simulations during classroom teaching.

3.2 Facility Improvements

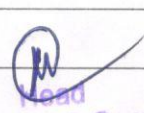
Area	Action Taken
Laboratories	Purchased additional equipment; improved scheduling to increase accessibility.
Libraries	Extended operating hours and enabled remote digital access to e-resources .
Internet Services	Upgraded hostel and academic block routers; increased bandwidth allocation.
Connectivity Support	Launched dedicated IT Helpdesk for student internet issues.

4. Recommendations

Focus Area	Recommended Initiative
Continuous Monitoring	Conduct mid-semester feedback rounds to measure real-time response to actions taken.
Industry Collaboration	Expand MoUs with industries for internships, workshops, and expert sessions.
Digital Learning	Deploy LMS platforms and e-learning content for 24/7 access to learning materials.
Holistic Engagement	Organize regular hackathons, coding competitions, and cultural fests for all-round development.

5. Summary Snapshot

Metric	Value
Overall Academic Satisfaction	80.2%
Overall Facilities Satisfaction	68.5%
Internet Access Dissatisfaction Rate	41%
% of Students Seeking More Practical Learning	12%
% of Students Suggesting Interactive Pedagogy	8%


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Student Satisfaction Survey Report (SSS)(ATR)

1. Purpose of the Report

This Comparative Action Taken Report presents a structured review of the semester-end feedback received from students of the ECE Department, with focused insights across **Academic Delivery** and **Institutional Facilities**. The analysis emphasizes key observations and delineates corresponding remedial actions to strengthen teaching practices, infrastructure, and student support systems.

2. Academic Feedback: Comparative Analysis and Remedial Actions

Category	Key Observation	Corrective Action Implemented
Knowledge Acquisition	78% acknowledged gaining new knowledge; 12% unsure of its practical utility.	Introduced mini-projects in core labs to bridge theory and application.
Real-Life Problem Solving	76% could relate concepts to real-life issues; some pointed to insufficient exposure.	Implemented case-based learning modules and live demonstration sessions.
Industry Relevance	80% found the curriculum relevant; 20% wanted more alignment with emerging technologies.	Revised syllabi to include IoT, AI, Embedded Systems , and other current trends.
Mentorship & Counselling	80% rated it satisfactory; second-year students flagged inconsistency in guidance.	Restructured mentoring by reducing mentor group sizes and assigning faculty year-wise .
Learning Environment	82% found it positive; lower engagement noted in foundational subjects.	Introduced AR/VR-enabled content and gamified tools for foundational courses.
Communication Skills	85% felt improvement; 1st-year students sought more speaking opportunities.	Launched workshops on public speaking and regular debate clubs for early semesters.
Faculty Subject Expertise	85% rated faculty expertise highly; a few students wanted more real-world examples in class.	Conducted faculty development sessions to integrate industry examples and visual illustrations.
Teaching Pedagogy	85% found pedagogy effective; 15% requested more engaging delivery methods.	Deployed flipped classroom strategies and simulation-based teaching platforms.



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3. Facilities Feedback: Comparative Analysis and Remedial Actions

Category	Key Observation	Corrective Action Implemented
Classroom Infrastructure	67% rated classrooms positively; a few reports on outdated infrastructure.	Upgraded classrooms with ergonomic seating, better ventilation, and enhanced AV setups.
Laboratory Facilities	69% expressed satisfaction; some highlighted delays due to limited equipment.	Procured new lab kits , increased redundancy, and extended lab access hours.
Library Access	70% found resources adequate; requests received for longer hours and more e-books.	Extended operating hours , added digital journal subscriptions and access to online databases.
Hostel Amenities	30% rated as Poor/Good; hygiene and room conditions were commonly mentioned.	Initiated refurbishment drive , installed water purifiers , and improved cleaning frequency.
Campus Cleanliness	20% expressed dissatisfaction, especially for hostel and communal spaces.	Appointed additional housekeeping staff , began weekly cleanliness audits , and waste bins installed.
Canteen Services	15% rated food quality as poor.	Reviewed vendor performance, modified menu based on student polls , and ensured hygiene compliance.
Internet Connectivity	20% faced connectivity issues, mainly in hostels.	Upgraded to high-speed routers , expanded bandwidth, and launched an on-call IT helpdesk.

4. Continuous Improvement Plan

Focus Area	Follow-up Strategy
Academic Effectiveness	Mid-semester feedback and rapid cycle improvements based on student responses.
Curriculum Modernization	Periodic curriculum revision involving industry stakeholders and academic advisory boards.
Mentorship Quality	Semester-wise, mentor-mentee performance tracking and training sessions for mentors.
Facility Upkeep & Monitoring	Monthly review of facilities, student satisfaction tracking, and infrastructure health audits.
Digital Learning Ecosystem	Roll-out of LMS platforms , e-content repositories, and hybrid resource access mechanisms.


Dr. Mrinmoy Chakraborty
 Associate Professor, ECE
 HOD, ECE


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Department of ECE


DAC meeting attendance

Date: 04.08.2025

Time: 4:30 P.M.

Venue: Advanced Prototype Lab.

Sr. No.	Name of the faculty members	Designation	Signature
1	Dr. Mrinmoy Chakraborty, HoD	Associate Professor	
2	Dr. Khondekar Mofazzal Hossain	Professor	
3	Dr. Tapas Mondal	Associate Professor	
4	Dr. Alope Saha	Associate Professor	
5	Dr. Tribeni Prasad Banerjee	Associate Professor	
6	Dr. Abhijit Banerjee	Associate Professor	
7	Ms. Keka Hajra	Assistant Professor	
8	Ms. Dipta Chaudhuri	Assistant Professor	
9	Dr. Aritra Bhowmik	Assistant Professor	
10	Dr. Anirban Chattopadhyay	Assistant Professor	
11	Dr. Debipriya Dutta	Assistant Professor	
12	Ms. Moutusi Mondal	Assistant Professor	
13	Mr. Nilkamal Bhunia	Assistant Professor	
14	Dr. Ankita Mitra	Assistant Professor	
15	Mr. Pradipta Sarkar	Assistant Professor	
16	Dr. Anup Kumar Das	Assistant Professor	
17	Mr. Surajit Batabyal	Assistant Professor	
18	Ms. Subhadra Debroy	Assistant Professor	
19	Mr. Moloy Mukherjee	Assistant Professor	
20	Mr. Samujjwal Ray	Assistant Professor	
21	Mr. Soumendra Pain	Assistant Professor	
22	Dr. Ramkrishna Rakshit (Visiting Faculty)	Assistant Professor	
23	Mr. Santanu Roy	Sr. Technical Assistant	
24	Mr. Samar Nath Rajak	Sr. Technical Assistant	 04/08/25
25	Ms. Dolan Das	Sr. Technical Assistant	
26	Mr. Sonatan Dutta	Technical Assistant	
27	Mr. Sukanta Mukherjee	Supervisor	
28	Mr. Tapas Roy (DAC Co-convenor)	Assistant Professor	
29	Dr. Sourav Moitra (DAC Convenor)	Associate Professor	


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