Dr. B C Roy Engineering College
Department of Electronics and Communication Engineering

Ref: BCREC/ECE/DAC/MoM/ODD/25/03/21

Date: 21.03.25

The Department of Electronics and Communication Engineering has undertaken several initiatives in response to the key observations identified through the student feedback process. Emphasis was placed on enhancing the academic and co-curricular experience, with targeted interventions including the expansion of extracurricular engagement, structured mentorship programs, and the incorporation of practical, industry-aligned components within the curriculum. These measures have contributed meaningfully to addressing student concerns and strengthening the overall learning ecosystem.

To maintain this trajectory of improvement, the department has proposed additional measures focused on infrastructure modernization, deeper industry collaboration, and the establishment of a robust and iterative feedback framework. These ongoing efforts underscore the department's sustained commitment to academic excellence and student-centric development.

Report of the Special DAC Meeting
Held on: 21-03-2025
Venue: Advanced Prototype Lab

The Department Advisory Committee (DAC) convened to discuss the student feedback for the academic year 2024-25 (ODD) 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)

Odd Semester, Academic Year 2024–25

1. Overview

The Course-End Feedback was compiled and evaluated for all semesters in the Department of Electronics and Communication Engineering (ECE) during the Odd Semester of AY 2024–25. The survey addressed various academic components such as instructional methods, syllabus coverage, assessment practices, and overall student involvement. This document presents a summary of insights gathered and the remedial steps initiated by the department.

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2. Key Feedback Summary

2.1 Noted Strengths

Parameter	Observation	% Positive Response
Syllabus Completion	Most students acknowledged 80%–100% coverage across courses.	81%
Teaching Methodology	Received favorable ratings of "Very Good" or higher.	76%
Faculty Communication	Appreciated performance reviews and timely updates.	73%
Teaching-Learning Outcome	Positive outlook on overall academic delivery.	71%

2.2 Areas for Improvement

Area	Feedback Highlights	% Positive Response
Evaluation Fairness	While 77% felt satisfied, some pointed out ambiguous marking schemes.	77%
Use of Practical Examples	Requests for more real-life applications to support theory.	66%
Extracurricular Integration	Freshers reported inadequate exposure to non-academic activities.	61%

3. Measures Implemented

3.1 Curriculum and Teaching Enhancements

- Embedded real-world case studies and problem-oriented learning modules.
- Deployed tools such as MATLAB and domain-specific simulation environments in core lab sessions.

3.2 Assessment Reforms

- Organized workshops on standardizing rubrics and making evaluation criteria transparent.
- Instituted rubric-based grading in internal and lab assessments.
- Made pre-assessment disclosure of evaluation schemes compulsory.

3.3 Enrichment Beyond Curriculum

- Increased student access to Xilinx and Prototyping labs for innovation projects.
- Initiated bimonthly events like tech expos, quizzes, and hackathons.
- Introduced Induction Club activities for first-year students to boost involvement.

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3.4 Mentorship and Academic Guidance

- Implemented structured one-on-one feedback meetings twice a semester.
- Strengthened the mentorship program with a fixed 1:10 faculty-student ratio.

4. Semester-Specific Initiatives

Semester	Feedback Highlight	Action Taken
1st Semester	Limited practical relevance in core foundation courses	Conducted mini-projects and open lab sessions in key subjects.
3rd Semester	Expectations for more modern lab components	Integrated IoT kits, Raspberry Pi modules, and updated lab tools.
5th Semester	Low industry linkage in some subjects	Hosted expert-led workshops and guest lectures from industry figures.
7th Semester	Lack of dedicated support for major projects	Assigned fixed mentoring hours each week for final-year projects.

5. Recommendations

Focus Area	Suggested Action
Mentorship Structure	Define clear deliverables with semester-linked checkpoints.
Industry Exposure	Broaden MoUs with companies for internships and course alignment.
Pedagogical Innovation	Implement AR/VR-based teaching and gamified learning where relevant.
Feedback Mechanism	Introduce anonymous mid-semester surveys for real-time course review.

6. Summary Statistics

Parameter	Value
Satisfaction with Teaching	76%
Syllabus Completion Satisfaction	81%
Satisfaction with Evaluation Fairness	77%
Students Wanting More Practical Examples	34%
Students Wanting More Extra curricular	39%

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Semester-End Feedback Action Taken Report (ATR)

1. Overview

This report outlines the actions undertaken by the Electronics and Communication Engineering (ECE) Department in response to the Course-End Feedback collected for the Odd Semester of 2024–25. The feedback was analyzed thematically under academic delivery and infrastructure services, highlighting priority areas and corresponding corrective actions initiated to enhance the overall student experience.

2. Key Feedback Summary

2.1 Academic Feedback

Parameter	Positive Response (%)	Observations / Challenges
Knowledge Acquisition	74%	~18% of students reported difficulty applying concepts practically.
Mentorship & Counselling	76%	Gaps observed in uniformity and consistency across year groups.
Pedagogy & Communication	81%	A segment (12%) preferred more activity-based classroom interaction.
Communication Skill Gains	78%	Growth noted, but varied across batches; some require follow-up.

2.2 Facility Feedback

Facility Area	Positive Response (%)	Observations / Challenges
Laboratories & Libraries	62%	Shortage of working lab instruments; limited access slots.
Hostel Hygiene & Amenities	63%	22% cited dissatisfaction with cleanliness and basic amenities.
Internet Access	13%	Persistent issues in hostel connectivity; intermittent outages.

3. Actions Taken

3.1 Academic Interventions

Initiative	Description

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Practical Reinforcement	Hands-on mini-projects added in 3rd & 5th semesters to improve applied learning.
Mentorship Restructuring	Standardized mentor-student ratio; assigned mentors based on academic year.
Pedagogy Enhancement	Internal sessions held on case-based, inquiry-driven learning techniques.
Classroom Engagement Tools	Introduced subject-specific visual simulations and interactive Q&A components.

3.2 Facility Improvements

Area	Action Taken
Laboratories	Procured replacement equipment and increased batch-wise access sessions.
Libraries	Extended evening hours; introduced QR-based digital login for streamlined use.
Internet Services	Installed access points on each hostel floor; pending full bandwidth rollout.
Student IT Support	Functional IT Helpdesk initiated; ticket-based response within 48 hours.

4. Recommendations

Focus Area	Proposed Action
Feedback Monitoring	Introduce in-semester anonymous surveys to identify early-stage concerns.
Industry Collaboration	Revise industrial internship modules; schedule semester-aligned expert lectures.
Blended Learning	Expand LMS with recorded content, topic-wise quizzes, and discussion boards.
Student Engagement	Establish annual activity calendar combining academic, cultural, and technical events.

5. Summary Snapshot

Metric	Value
Overall Academic Satisfaction	77.4%
Overall Facilities Satisfaction	64.8%
Internet Access Dissatisfaction Rate	44%
% of Students Seeking More Practical Learning	18%
% of Students Suggesting Interactive Pedagogy	12%

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Student Satisfaction Survey Report (SSS)(ATR)

1. Objective of the Report

This report presents a structured comparative analysis of student feedback obtained at the end of the semester from the Department of Electronics and Communication Engineering. It focuses on two primary domains: academic delivery and institutional facilities. The report highlights key student observations and outlines remedial actions undertaken by the department to enhance the quality of education and support systems.

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2. Academic Feedback: Comparative Analysis and Remedial Actions

Category	Key Observation	Corrective Action Implemented
Knowledge Acquisition	74% reported acquisition of new knowledge; ~18% were unsure of its practical application.	Embedded mini-projects in core laboratories to improve experiential learning.
Real-Life Problem Solving	72% linked coursework to real-life scenarios; gaps noted in exposure.	Introduced case-based modules and conducted live hardware/software demonstration sessions.
Industry Relevance	77% found curriculum relevant; several students suggested updates with newer tech.	Revised content to incorporate IoT, AI, Embedded Systems, and contemporary industry practices.
Mentorship & Counselling	76% found support adequate; 2nd-year students noted inconsistency in mentoring.	Reorganized mentoring structure with reduced group sizes and year-specific faculty allocation.
Learning Environment	79% rated the environment positively; foundational courses saw low engagement.	Introduced interactive visual aids, AR/VR content, and gamified elements in base-level courses.
Communication Skills	81% indicated improvement; early-year students requested more active forums.	Launched public speaking workshops and semester-wise debate clubs for language reinforcement.
Faculty Subject Expertise	82% rated highly; some students expected more industrial relevance in examples.	Conducted FDPs focused on domain-specific examples, visual pedagogy, and industry-aligned teaching.
Teaching Pedagogy	80% found delivery effective; 20% requested more engaging teaching methods.	Adopted flipped classroom methods, integrated simulation-based tools, and peer-assist strategies.

3. Facilities Feedback: Comparative Analysis and Remedial Actions

Category	Key Observation	Corrective Action Implemented

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Classroom Infrastructure	63% rated as satisfactory; feedback highlighted outdated seating and ventilation.	Upgraded seating, improved airflow, and installed interactive boards in major classrooms.
Laboratory Facilities	65% reported satisfaction; delays occurred due to insufficient lab inventory.	Additional lab kits procured; extended lab slots and optimized equipment scheduling.
Library Access	66% rated positively; requests included longer access and more digital resources.	Extended timings, added e-journals, and enabled remote access to subscribed repositories.
Hostel Amenities	Only 40% rated positively; complaints centered around hygiene and infrastructure.	Maintenance upgrades initiated, new purifiers installed, sanitation cycles increased.
Campus Cleanliness	25% dissatisfaction, primarily in hostel corridors and shared zones.	Weekly audits launched, new waste bins installed, additional staff recruited for upkeep.
Canteen Services	18% rated food quality and hygiene unsatisfactory.	Engaged with food vendor, introduced student feedback polls, and revised menu with hygiene checks.
Internet Connectivity	18% experienced persistent connectivity issues, especially in hostels.	Deployed high-gain routers, increased bandwidth, and established a student-facing IT support desk.

4. Continuous Improvement Plan

Focus Area	**Planned Follow-up Strategy**
Curriculum Modernization	Establish a curriculum review cycle with participation from industry partners and alumni.
Mentorship Quality	Monitor mentorship through semester-wise feedback and mentor review sessions.
Facility Monitoring	Schedule monthly facility audits and publish infrastructure performance dashboards.

Dr. Mrinmoy Chakraborty

Associate Professor, ECE
HOD, ECE

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Dr. B. C. Roy Engineering College, Durgapur			
Department of ECE			
DAC meeting attendance			
Date: 21.03.2025		Time: 3:00 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. Aloke 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 Mukherjèe	Assistant Professor	
20	Mr. Samujjwal Ray	Assistant Professor	
21	Mr. Soumendra Pain	Assistant Professor	
22	Dr. Ramkrishna Rakshit (Visiting Facul	Assistant Professor	
23	Mr. Santanu Roy	Sr. Technical	
24	Mr. Samar Nath Rajak	Sr. Technical	
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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