Dr. B. C. Roy Engineering College, Durgapur

Department of Electronics and Communication Engineering

Notice

No. BCR/ECE/22/08/18

Date: 18.08.22

A departmental meeting with all faculty & staff members will be held on 19.08.22, Friday at 04:00 PM at GF02 (Ground Floor) to discuss on the following agenda.
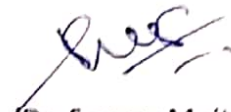
Agenda

1. Discussion and finalization of the action taken report based on various student feedback for the academic year 2021-22.

All the faculty and staff members of ECE department are hereby requested to attend the meeting.

(Dr. Narendranath Pathak)
Head of the Department

(Dr. Sourav Moitra)
Convenor, DAC

Distribution:

　　　　All Faculty / staff of ECE Department

Copy to:

1. General Secretary, BCREC
2. Principal, BCREC
3. DAC FILE.

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

Ref. No. BCR/ECE/22/08/18

Date: 19.08.22

A DAC meeting was held on 19/08/2022 at 04:00 P.M at GF02 (first floor ECE department to discuss in details and finalize the Action Taken Report based on Feedback on Academics. Feedback on facilities and Course End Feedback taken for the Academic Year 2021-2022. The feedback was submitted to college feedback portal by 240 students of Electronics and Communications Engineering department.

The year wise breakup of responders:

Year	Participant Count
1st	142
2nd	47
3rd	52
4th	127

The participant count accounts for nearly 86% of the total strength combined.

Action Taken Report based on Feedback on Academics for the AY 2021-22

The teaching and learning methods demonstrated a high degree of adaptation in response to feedback concerning the acquisition of new scientific or technical information. The students that were successful in the class responded favorably and provided the instructor with favorable evaluations on their efforts. The students have reached a consensus about the importance of the material presented in the curriculum. On the other hand, we observe an increasing demand for supplemental classes in non-departmental but relevant topics such as artificial intelligence and machine learning. The mentoring processes as practiced by mentors within a unified mentoring framework that was adopted five years ago have been recognized as being effective in grooming new hires into industry ready professionals and as being one of the best pre-placement training programmes. This recognition comes as a result of the mentoring processes being practiced by mentors under the unified mentoring framework. The long term positive impact of mentoring processes on students' academic performance cannot be denied and is expected to help improve student throughput, productivity, and overall performance.

Identified areas of concern (with > 3% disagreement):

- Ability to identify, formulate, research literature, and analyze complex engineering problems reaching substantiated (3.3% disagreement)

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- Draw conclusions using first principles of mathematics, natural sciences, and engineering sciences (3.3% disagreement)
- Ability to apply research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions (5.6% disagreement)
- developed the ability to create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modelling to complex engineering activities with an understanding of the limitations (4.4% disagreement)

Actions taken/suggested:

- It has been decided that, addon courses will be offered to students on topics most pertinent to industry requirements, like AI and ML. Courses on Advanced VLSI is being offered to students from Advanced VLSI lab sponsored by XILINX technologies. The MOU with Texas Instruments is being revised to accommodate more industry sponsored addon courses.
- To bridge the gap between industry needs and academic courses, it has been decided to establish ONE advanced laboratory attached to every laboratory which caters to the impart knowledge on the subject on a an in depth hands-on basis with emphasis on FIRST PRINCIPLES. Basic of physics and the physical reality behind the subject will be mentored by instructors in and beyond lab hours.
- Special emphasis is being placed on Research and Research methodology in every course offered. ONE lecture is solely dedicated to make the student understand the purpose and applications of that subject in industry and real life. Special sessions are being conducted to teach students the tools and methodology to conduct systematic research. LATEX and BEAMER is taken up as the primary templates for Report and Assignment writings to encourage more research oriented report writing methodologies.
- Final year projects resulting in publications (reputed and peer reviewed) are incentivized with higher marks. This policy resulted in quality publications from UG students.
- Attending external/non-local competitions is now incentivized, both financially and with equipment. This resulted in students acquiring First, second and third positions in completions held all around India.
- Regular Seminars, Workshops and Webinars (Industry Sponsored) is taken up. The workshops conducted are both hands-on as well theoretical. Observations show more students ending up taking solo projects after the workshops.
- Special sessions on coding and code repository maintenance (GitHub) are taken to make ECE students more a keen to updated technologies. The inclusion of github and coding projects have increased their overall skills and has shown equivalent results in campus placement.

Action Taken Report based on Feedback on Facilities for the AY 2021-22

All facilities related academics (Laboratory and Class rooms) exhibit excellent feedback results. However, all facilities related to central amenities provided, less favorable feedback results.

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Identified areas of concern (with > 3% disagreement):

- Hostel facility (11.96% disagreement)
- Sports facility (5.63% disagreement)
- Water facility (3.52% disagreement)
- Cleanliness and Hygiene (5.63% disagreement)
- Canteen facility (11.97% disagreement)
- Internet facility (17.61% disagreement)

Actions taken/suggested:

- Internet facilities has been upgraded with 1GBPS Switches in department.
- Wi-Fi is upgraded to dual band with 5.2GhZ high speed (1Gbps) routers.
- Password of all routers has been provided to students.
- Wi-Fi routers are placed at optimized locations for better coverage.

Up gradation of Hostel, Canteen and Food facilities are suggested and the same is forwarded to central authorities.

Departmental UG students have access to sports equipment and gym facilities at prescribed timings, as was reported Sports Committee. No Action is required thereof regarding this issue, as is decided in the meeting.

Action Taken Report based on Course End Feedback (Exit Survey) on Facilities for the AY 2021-22

Acquiring new technical or scientific knowledge was facilitated by instructional strategies that showed a great deal of flexibility in response to learner input. The successful students spoke up and gave the teacher glowing reviews of their efforts in class. All of the pupils agree that the information covered in class is crucial. On the other hand, elective courses in areas outside of traditional departments, but nevertheless important, like AI and ML, are becoming increasingly popular. There is widespread agreement that the mentoring processes as carried out by mentors within a unified mentoring framework adopted five years ago constitute one of the best pre-placement training programmes, and this is due in large part to the success with which they have been able to transform inexperienced hires into fully capable professionals. The mentoring procedures employed by mentors operating under the shared mentoring framework have contributed to this acknowledgment. It is undeniable that mentoring activities have a favorable long-term effect on students' academic achievement, and that this effect contributes to increased student output, productivity, and overall performance.

Identified areas of concern (with > 3% disagreement):

- Proven ability to recognize, frame, investigate, and analyze difficult engineering issues to reach justified (3.3% disagreement) conclusions
- Utilize fundamental concepts from mathematics, the natural sciences, and engineering to reach your findings (3.3% discordance)
- Capacity to apply research-based knowledge and research procedures, such as experiment design, data analysis, and synthesis, in order to draw reliable results (5.6% discordance)
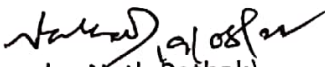
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- 44% of people don't believe that you have "acquired the capacity to generate, choose, and apply suitable approaches, resources, and current engineering and IT technologies, including prediction and modelling, to complex engineering processes with a grasp of the constraints."

Actions taken/suggested:

- In each and every one of our classes, we are putting in extra effort to make sure that you learn the best possible research techniques and conduct your own original research. Only ONE lecture focuses on helping students draw the connection between their coursework and the actual world. Students are being taught the skills and methods necessary to perform systematic research in dedicated sessions.

- Higher grades are awarded for senior theses that are published in reputable, peer-reviewed journals. U.G. students' publications improved as a direct effect of this approach.

- Financial and material incentives are now provided for competitors to travel to and participate in tournaments outside of their home region. Because of this, kids from all around India were able to place first, second, and third in competitions.

- Workshops, seminars, and webinars (industry-sponsored) are attended regularly. Workshops include both practical exercises and theoretical discussions. Research shows that after attending the workshops, a greater number of students opt to work on individual assignments.

- In order to make ECE students more interested in modern technologies, special sessions on coding and code repository maintenance (GitHub) are taken. Students' general competence has improved thanks to github and coding projects, and they've had similar success in finding internships and jobs on school as a consequence.

- In Test Based Training has been introduced as Placement Guidance. general Training sessions is being organized for UG students appearing for campus interviews.

- Special Sessions on coding and AI is being taken by faculty members to strengthen the quality of job ready students.

(Dr. Narendra Nath Pathak)
Head of the Department
ECE Department

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Dr. B. C. Roy Engineering College, Durgapur
Department of ECE Department

Date: 19.08.2022 **Time: 04:00 PM** **Venue: GF 02**

Sr. No.	Name of the faculty members	Designation	Signature
1	Dr. Narendra Nath Pathak, HoD	Professor	Pathak
2	Dr. Sarit Pal	Professor	Sarit Pal
3	Dr. Khondekar Mofazzal Hossain	Professor	
4	Dr. Tapas Mondal	Professor	Ts Mondal
5	Ms. Keka Hajra	Associate Professor	
6	Dr. Rajdeep Ray	Assistant Professor	
7	Dr. Aritra Bhowmik	Assistant Professor	
8	Dr. Aloke Saha	Assistant Professor	
9	Dr. Mrinmoy Chakraborty	Associate Professor	
10	Dr. Tribeni Prasad Banerjee	Assistant Professor	
11	Dr. Ardhendu Sekhar Chattopadhyay	Associate Professor	
12	Mr. Koustav Roy	Assistant Professor	
13	Mr. Ramkrishna Rakshit	Assistant Professor	
14	Ms. Dipta Chaudhuri	Assistant Professor	
15	Mr. Tapas Roy	Assistant Professor	
16	Dr. Anirban Chattopadhyay	Assistant Professor	Ray
17	Dr. Abhijit Banerjee	Assistant Professor	
18	Dr. Rajib Banerjee	Assistant Professor	
19	Ms. Debipriya Dutta	Assistant Professor	
20	Ms. Moutusi Mondal	Assistant Professor	
21	Mr. Nilkamal Bhunia	Assistant Professor	
22	Dr. Ankita Mitra	Assistant Professor	
23	Mr. Pradipta Sarkar	Assistant Professor	
24	Mr. Moloy Mukherjee	Assistant Professor	
25	Dr. Anup Kumar Das	Assistant Professor	
26	Mr. Surajit Batabyal	Assistant Professor	
27	Ms. Subhadra Debroy	Assistant Professor	
28	Mr. Soumendra Pain	Assistant Professor	Pain
29	Mr. Santanu Roy	Sr. Technical Assistant	
30	Mr. Samar Nath Rajak	Sr. Technical Assistant	
31	Ms. Dolan Das	Technical Assistant	DDS
32	Mr. Sonatan Dutta	Technical Assistant	
33	Mr. Sukanta Mukherjee	Supervisor	
34	Dr. Sourav Moitra (DAC Convenor)	Assistant Professor	