

Dr. B. C. Roy Engineering College

Department of Civil Engineering

Ref.: BCREC/CE/DAC/MOM-1/2024-25

Date: 09.08.2024

A Special DAC meeting took place on 8th August, 2024 at 4:30 PM at the Third Floor Smart Classroom to discuss in details and finalize the Action Taken Report based upon Course End Feedback (Even Semester), Feedback on Academics(Even Semester), Feedback on facilities(Even Semester)and Programme End Feedback (Exit Survey) taken for the Academic Year 2023-24. The feedback was submitted in the college website online by 131 students of the Civil Engineering Department including 26 students of first year, 32 students of second year, 32 students of third year and 41 students of fourth year.

Following are the major points of the Action Taken Report:

Action Taken Report based upon Feedback on Academics for the Even Sem AY 2023-24

Feedback related to acquiring new technical or scientific knowledge demonstrated positive adaptability in the teaching-learning methodology. Students were able to effectively apply their skills and knowledge to solve problems related to their field of study. Students highly appreciated the teaching sessions, finding them both effective and interesting.

Students agreed that the prescribed syllabus and laboratory experiments were relevant to current industry needs. They also appreciated the availability of modern tools and facilities in the laboratory, which met their requirements. Feedback related to student mentorship and counselling processes was positive. The overall communication skills of the students also improved.

Students valued the opportunities provided for co-curricular and extracurricular activities. They gave positive feedback about the events (workshops, seminars, webinars, etc.) conducted for their holistic development and to bridge the industry-academia gap.

1. The department has offered four Add-On courses across all the years and will continue to offer Add-On courses in future which will be beneficial in reducing the gap between the industry needs and academia.
2. Apart from the Add-On courses, students have been offered spoken tutorials on QGIS, LaTeX, Python programming.
3. Several activities and events like Seminar, Workshops, Interactive Sessions, Alumni Connect Programmes, site visits etc. have been conducted to cater to all round development



of the students. In future, activity based calendar will be followed to arrange more such sessions and visits for holistic progress of the students.

4. It has been decided to motivate the students to participate in collaborative project works, work on tech models and participate in tech-fest and hackathons held at various organizations and industries.

5. The career counselling cell conducts group discussion sessions, spoken English classes and tries to improve the overall etiquette and communication skills of the students. It has also been decided that at the department level, proper counselling will be provided to final year students to prepare them for placement opportunities and competitive exams like GATE, PSCs, CAT etc.

6. Students are encouraged to actively participate in various sports, NCC, NSS events along with karate and yoga sessions which are conducted for their all-round development.

7. The final year students are encouraged to undergo internships in reputed organizations to understand the need of the industry and prepare themselves to uplift their knowledge and skills to fit the society on completion of the course.

Action Taken Report based upon Feedback on Facilities for the Even SemAY 2023-24

Feedback on Academics was taken from the 1st to 4th year students for the Even Semester 2023-24. The feedback was submitted in the college website online by 131 students of the Civil Engineering Department.

Most of the students were satisfied with laboratory facility, library facilities, water facility, internet facilities and overall cleanliness. Students appreciated the sports facilities of the college.

Some suggestions made by the students as per the feedback:

1. The internet facilities provided to the students need little improvement.
2. Feedback suggests that the hostel facility needs to be upgraded.
3. Positive responses were given regarding the sports facilities of the college.
4. The students were satisfied with the laboratory and library facilities.
5. Some of the students of first year were not happy with the canteen and internet facilities.

Following are the major points of the Action Taken Report:

1. Students were assured that their concerns related to hostel and canteen facilities would be addressed at the appropriate level. Any problems would be rectified, and facilities would be enhanced as soon as possible. The feedback was communicated to the Dean of Student Affairs so that it could be taken up for rectification through the Hostel Council.



Action Taken Report based on Program End Feedback (Exit Survey) for 2024 Passout Batch

The Programme End Feedback (Exit Survey) was taken from the 2024 passout batch. The feedback was submitted in the college website online by the outgoing fourth year 41 students of the Civil Engineering Department. Most of the students were very satisfied with the various aspects of teaching-learning and various indices of overall academic development. 95.12% students felt that they have developed the ability to apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialisation for the solution of complex engineering problems, 95.13% students agreed that they were able to identify, formulate, research literature, and analyse complex engineering problems reaching substantiated conclusions, 95.12% students felt that they were able to apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal, and cultural issues and the consequent responsibilities relevant to the professional engineering practice, 97.57% students felt that they were able to understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and the need for sustainable development, about 95.13% students agreed that they were able to demonstrate knowledge and understanding of the engineering and management principles and apply those to their work, as a member and leader in a team, to manage projects and in multidisciplinary environments and more than 95.13% students felt that they were able to recognise the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

In view of identifying the gap in the achievement of the Programme Outcome as per the requirement of various stakeholders, the feedback was taken from the 4th year pass-out batch.

Following are the major points of the Action Taken Report:

1. To help undergraduate students understand the challenges and opportunities of the Industry, few lectures by working professionals, Industry experts and Researchers have been arranged by the department from time to time. More such sessions will be conducted in future.
2. Few seminar and workshops have been arranged where the students were given training on popular Design softwares like Revit, SAP. The project work is being conducted from 3rd year onwards to improve the problem identifying, critical thinking and analytical ability of the students.
3. A seminar was arranged on Health Monitoring of Structures which was conducted by Industry expert.
4. Microsoft Project Training programme on Project Management was arranged for the students in the department to give basic insights on Project management.
5. Many industrial and field visits have been arranged for the students. Also teachers have been advised to undertake more experiential teaching learning sessions.
6. The faculties are now using ICT for teaching learning purposes to create smart learning environment. Learning Management System has been applied in teaching to augment the learning atmosphere.
7. The courses are being recorded by the course coordinators and the recorded classes are being uploaded in the YouTube Channel for the benefit of the students.



8. Technical Fest and program under IEI Student Chapter were conducted to groom the students and make them job ready and enhance their technical and interpersonal skills.
9. Add-On Courses have been introduced to bridge the knowledge gap and to make the students more skilled and for the extension activities for social and environment sensitization. Poster Exhibition for the fourth year project was arranged where industry experts and higher authorities were invited and students were provided valuable suggestions and guidance.
10. Slow Learners and Advanced Learners are given more attention according to their needs by arranging suitable remedial classes.
11. Faculty Development Programmes and faculty and staff training sessions have been conducted and more such programmes are planned in future for improvement of learning atmosphere.
12. Placement and guidance cell has been strengthened. Test Based Training (TBT) sessions for meritorious students and general training sessions for all the students are arranged on weekly basis to train the students for any kind of campus drive and job interview. Also more placement opportunities are being provided to the students in core and software sectors.

Action Taken Report based upon Course End Feedback Survey for the Even Sem AY 2023-24

The Course Feedback Survey for the 2nd, 4th, 6th and 8th semester students has been taken. Around 131 students have participated in the Course End Feedback and 1337 responses were received.

The course feedback process evaluates several key aspects of the teaching-learning experience, focusing on the effectiveness of communication regarding the course's relevance to its discipline, including course and program outcomes. It assesses the extent of syllabus coverage, ensuring that essential topics are thoroughly addressed. The teacher's teaching approach and classroom interactivity are reviewed to gauge their impact on student engagement. Fairness in the internal evaluation process is scrutinized, with transparency in discussing students' performances in Continuous Assessments (CA) and Practical Continuous Assessments (PCA). The teacher's ability to illustrate concepts through examples, identify students' strengths and weaknesses, and use ICT tools effectively is also evaluated. Additionally, the course is assessed on how well the knowledge gained can be applied to real-life, industry-specific problems or societal needs. Finally, the overall quality of the teaching-learning process is considered, summarizing the course's effectiveness and alignment with educational objectives. The feedback indicates that 53.88% students strongly agree with the



proper implementation of overall teaching learning process and 34.66% students agree with the same. However analysis of course feedback, suggests that some modification and enhancement for the overall quality of teaching-learning process is required for introduction to fluid mechanics, surveying & geomatics, quantity survey estimation and valuation, surveying & geomatics lab.

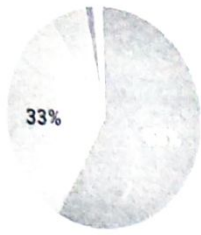
The following action has been taken as a response to the feedback:

1. Teachers have placed a strong focus on highlighting the course relevance and outcomes, while actively seeking student feedback to maintain engagement. The pace of instruction is thoughtfully adjusted to cover the entire syllabus thoroughly, with additional support provided to students who need it. A variety of examples are employed to address different learning preferences, and on-going feedback is gathered to evaluate their impact.
2. The teacher's teaching methods could benefit from some enhancements. Additionally, there is room for improvement in the interactivity of classroom and lab sessions.
3. The evaluation criteria have been reassessed to ensure transparency and fairness. Ongoing discussions about assessments have been conducted regularly, providing extra support whenever necessary.
4. Recognizing student strengths and weaknesses, along with providing proper guidance and ongoing improvement, is a key focus. Individual sessions, mentoring, and extra doubt-clearing sessions are conducted effectively
5. ICT tools such as projectors and multimedia slides have been utilized effectively. Additionally, practical examples, industry visits, guest lectures, industry interactions, and career counselling sessions have been successfully implemented.

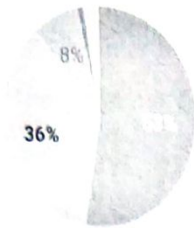


Course Feedback Survey Summery

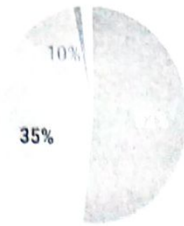
Department of Civil Engineering, Even Sem AY 2023-24



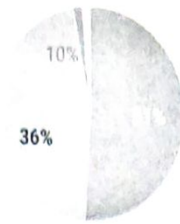
Discussion on relevance of the course to the discipline/stream and corresponding course outcomes and program outcomes.



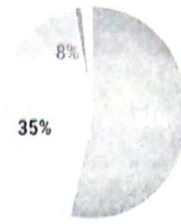
Full Syllabus was covered in the class.



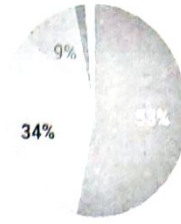
The teacher's approach to teaching excellently.



The classroom/lab sessions were interactive.



Fairness of the internal evaluation process.



Performance in Continuous Assessments (CA) & Practical Continuous Assessments (PCA) discussed.

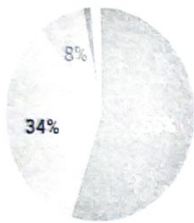
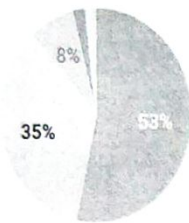
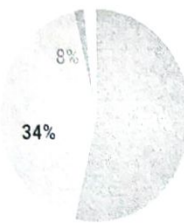


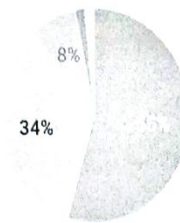
Illustration of concepts through examples and applications.



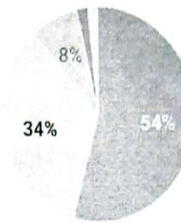
Strength identification and encouragement with providing right level of challenges.



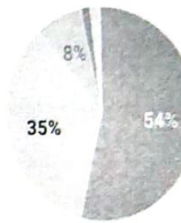
Weakness identification and help you to overcome them.



Usage of ICT tools (ctors/Screens/Multi nstration slides etc.) teaching.



The knowledge from the course can be applied to solve real life/industry specific problems.









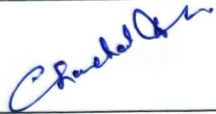





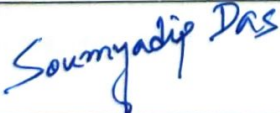


The overall quality of teaching-learning process of this subject is very good.

- 4 - Strongly agree
- 3 - Agree
- 2 - Neutral
- 1 - Disagree
- 0 - Strongly disagree



Signature of the members present in the DAC meeting held on 08/08/2024 :

Sl. No.	Signature of the Faculty/TA	Sl. No.	Signature of the Faculty/TA
1.	Dr. Sanjay Sengupta 	11.	Koyndrik Bhattacharjee 
2.	Dr. Arijit Kr. Banerji 	12.	Surajit Sen 
3.	Md. Hamjala Alam 	13.	Ajitesh Bhattacharjee 
4.	Dr. Shovan Roy 	14.	Anindita Sengupta 
5.	Chanchal Das 	15.	Aditya Prasad Roy 
6.	Amit Kotal 	16.	Barnali Das 
7.	Pranoy Roy 		
8.	Anupam Kr. Biswas 		
9.	Dr. Sayantan Dutta 		
10.	Soumyadip Das 		

Copy to:-

1. Principal, Dr. B. C. Roy Engineering College Durgapur

