

DR. B. C. ROY ENGINEERING COLLEGE, DURGAPUR  
MECHANICAL ENGINEERING DEPARTMENT

NOTICE

13/08/2024

Dear All ME Faculty,

HOD (ME) has called the 116th DAC meeting on 13th July, 2024 at 4:30 PM in the Departmental Library. Agenda of the meeting is given below.

Agenda:

1. Feedback analysis & Action taken Report.
2. Status of UG/PG project
3. Present Odd sem course completion status.
4. Course structure of new syllabus
5. ATAL FDP
6. Academic Audit AY 2023-24.
7. Others, if any, with the permission of the Chairperson of the house

Thanking you,

Dr. Subrata Samanta



Dr. Subrata Samanta  
Associate Professor  
(DAC Convener)  
ME Department  
BCREC

DR B. C. ROY ENGINEERING COLLEGE, DURGAPUR  
MECHANICAL ENGINEERING DEPARTMENT

Date: 14.08.2024

Minutes of the 116<sup>th</sup> Departmental Academic Committee (DAC) Meeting (ME) held at the Departmental Library of Mechanical Engineering Department on Thursday, 13th July 2024 at 04:30 P.M.

Faculty members present:

1) Prof. (Dr.) Chandan Chatteraj 2) Prof. (Dr.) Kanchan Chatterjee 3) Prof(Dr) Subrata Samanta 4) Prof(Dr) Arijit Banerjee 5) Prof.(Dr) Manoj Kundu 6) Prof Chitta Sahana 7) Prof. Suman Karmakar 8) Prof. Siddhartha Bhowmick 9) Prof.Arka Banerjee 10) Prof.(Dr.)Rajeev Ranjan 11) Prof.Rakesh Biswas 12) Prof. Deepak Kumar 13). Prof Koushik Chatterjee 14) Dr Rupali 15) Dr Pabitra Mondal 16) Prof. Subhajit Bhattacharya.

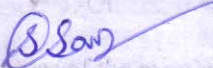
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Minutes of the meeting are as follows:

1. Action taken report on student's feedback is discussed and approved unanimously.
2. Status of final year UG/PG projects and its evaluation (PPT presentation and Viva) process are discussed.
3. All faculties have explained about the current odd semester course coverage of each subject. All courses have covered about 20% - 30%.
4. It has been discussed about the course structure of new syllabus to be followed from AY 2024-25.
5. Status of ATAL FDP to be organized in September 24 was discussed.
6. Status of Academic Audit of AY 2023-24 was also discussed.

The meeting ended with vote of thanks.

  
Dr. Subrata Samanta  
(Convener, DAC)

  
Dr. Chandan Chatteraj  
(Chairperson, DAC)

H.O.D. / M.E.  
Dr. B. C. Roy Engg. College, Durgapur

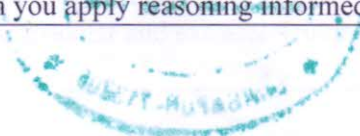
DR . B .C. ROY ENGINEERING COLLEGE, DURGAPUR  
MECHANICAL ENGINEERING DEPARTMENT

DATE : 12.08.2024

Action taken report for the program end feedback  
for AY 2023 -24

Based on the online feedback from student of ME department, the action taken are illustrated in the following table:

S. No	FEED BACK STATEMENT	ACTION TAKEN
1	Have you developed the ability to apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization for the solution of complex engineering problems?	Special attention is given to improve in depth exposure of the core engineering subjects and fundamental knowledge.
2	Are you able to identify, formulate, research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences?	Innovative projects related to the industry are taken up in the IDEA Lab where students can apply their skills.
3	Did you attain the ability of designing solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for public health and safety, and cultural, societal, and environmental considerations?	Students are encouraged to design new systems considering social, economic, and environmental issues by following different norms.
4	Are you able 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?	Students are involved in various projects under the guidance of faculties and encouraged to publish it in reputed journals.
5	Have you developed the ability to create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations?	New subjects like Machine Learning, Mechatronics are already in course curriculum. Planning to include Artificial Intelligence & Robotics.
6	Can you apply reasoning informed by the	Lecture from entrepreneurs, management



	contextual knowledge to assess societal, health, safety, legal, and cultural issues and the consequent responsibilities relevant to the professional engineering practice?	schools or spiritual leaders is arranged frequently in the institute premises for the benefit of students.
7	Are you 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?	Students are specially trained in TPO cell as per the industry needs.
8	Do you apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice?	Students are encouraged to enroll in MOOCs courses related to ethics and principles.
9	Are you able to function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings?	Lectures are arranged from the management institutes to instigate their leadership quality and communication skills.
10	Can you communicate effectively on complex engineering activities with the engineering community and with the society at large, such as being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions?	Students are encouraged to think and provide new solutions while doing projects. Complex problem solving during internal assessment given for presentation & report submission.
11	Are you able to Demonstrate knowledge and understanding of the engineering and management principles and apply these to ones work, as a member and leader in a team, to manage projects and in multidisciplinary environments?	Proposal is raised to organize different workshop to improve team building capabilities, communication skills and problem solving abilities.
12	Will you be able to recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change?	Students are advised to gather knowledge by self learning for sustainable development.



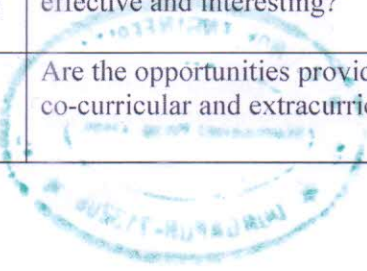
**DR . B .C. ROY ENGINEERING COLLEGE, DURGAPUR  
MECHANICAL ENGINEERING DEPARTMENT**

DATE : 12.08.2024

Action taken report for semester end feedback given by students  
for AY 2023-24

Based on the online feedback from student of ME department, the action taken are illustrated in the following table:

S. No	FEED BACK STATEMENT	ACTION TAKEN
1	Did you acquire any new technical or scientific knowledge?	Students are involved in the research works which are published in journals and attending various conferences with faculties in premium institutions. So students are getting acquainted with new concepts.
2	Are you able to apply the knowledge and skills you gained in real life problem solving?	Industry visits are arranged frequently. Students are sent for Internship programs as per their course curriculum.
3	Are the subjects you studied relevant to the current industry need?	Many elective subjects are taught thoroughly which covers current industry needs along with Add-on course is also introduced.
4	Availability and adequacy of modern tools in the laboratories?	Steps are already implemented for the modernization of Laboratories by purchasing new software (CREO) and equipments such as computerized diesel engine, advanced customized pneumatic trainer, Fusion 360.
5	Are the experiments/practical prescribed in the subjects/courses helpful for your future?	Involvement with Companies is frequent and as a result the areas identified where students are lagging in view of practical exposure got improved.
6	How is the mentorship and counseling process in the department?	Students are under the guidance of faculties as their mentors for their overall development.
7	How is the overall learning environment?	Institute is planning to improve the depth of knowledge of basic sciences and communication skills of students to produce competent engineer. Also classes for preparation of GATE is introduced.
8	Did you improve your communication skill?	Spoken English classes and Group Discussions introduced to improve communication skills.
9	Are the teachers able to demonstrate the required knowledge and skills?	Faculties are encouraged in various research works and FDP to enhance their knowledge.
10	Is the pedagogy used by the teachers effective and interesting?	Faculties explain different topics through examples, practical application and often video clips.
11	Are the opportunities provided for co-curricular and extracurricular activities?	Students are involved in Tech Fest, Cultural Fest, Sports etc.



12	Are events (workshop/seminar/webinar etc.) conducted for the holistic development of the students and to bridge industry-academia gap?	Workshop in collaboration with companies are frequently organized for the students.

### Feedback on Facilities

	FEED BACK STATEMENT	ACTION TAKEN
1	Laboratory facility	Continuous up gradation of Laboratories is the usual practice of this Institute.
2	Library facility	Budget is increased to purchase more books and reputed journals recommended as per university updated syllabus.
3	Hostel facility (if applicable)	Good hostels are provided.
4	Sports facility	Every year indoor and outdoor games are organized.
5	Water facility	Clean water facilities are available in premises.
6	Cleanliness and Hygiene	Efforts are given to maintain cleanliness & hygiene in the campus. A good Medical unit is also present in the campus.
7	Canteen facility	Many homely and hygienic foods are included in the college canteen.
8	Internet facility	WiFi routers are installed and internet access is available to everyone.



DR . B .C. ROY ENGINEERING COLLEGE, DURGAPUR  
MECHANICAL ENGINEERING DEPARTMENT

DATE : 12.08.2024

Action taken report for course end feedback given by students  
for AY 2023-24

Based on the online feedback from student of ME department, the action taken are illustrated in the following table:

S. No	FEED BACK STATEMENT	ACTION TAKEN
1	Teachers inform you about the relevance of the course to your discipline/stream and corresponding course outcomes and program outcomes.	Lesson plan is shared with the students in the beginning of each semester.
2	How much of the syllabus was covered in the class?	Special classes are arranged to cover maximum syllabus.
3	The teacher's approach to teaching can best be described as	Special attention is given to improve in depth exposure of the subjects and fundamental knowledge.
4	The classroom/lab sessions were interactive	During class hour teachers interact with students to clear their doubts.
5	Fairness of the internal evaluation process by the teacher	For internal evaluation answer papers are checked through Digital Evaluation System (DVS).
6	Was your performance in Continuous Assessments (CA) & Practical Continuous Assessments (PCA) discussed with you?	Faculty members identify weak students and pay special attention to them in remedial class.
7	The teachers illustrate the concepts through examples and applications.	Faculties explain different topics through examples, practical applications in laboratory and through video clips.
8	The teachers identify your strengths and encourage you with providing right level of challenges.	During regular interaction with students teachers identify their strengths and place them in suitable project groups under the guidance of faculties.
9	Teachers are able to identify your weaknesses and help you to overcome them.	Regular counseling is done by mentors for their overall development.
10	Teacher used ICT tools (Projectors/Screens/Multimedia demonstration slides, Interactive online tools etc.) while teaching	Digital class room is regularly used for teaching.
11	The knowledge from the course can be applied to solve real life/industry specific problems/societal needs.	Students are encouraged to design new systems considering social, economic, and environmental issues by following different norms.
12	The overall quality of teaching-learning process of this subject is very good.	Students are advised to gather knowledge by continuous learning for sustainable development.

