

Action Taken Report on Feedback of Stakeholders

Session (2023-24)

Program Name: B.Tech in Mechanical Engineering



Department of Mechanical Engineering
Faculty of Technology
Quantum University, Roorkee

Action Taken Report		
Department Name: Department of Mechanical Engineering		
Feedback Session: 2023-24		
Curriculum Design		
Code	Recommendation by Sub-Specialty Groups of the Department	Action taken in designing the syllabus for 2024-25
ME3302	R-4: SSG recommended modification.	This course has been deleted, and a new course was introduced in the 2023-2027 batch syllabus. Now, it has been new course Engineering material and applications has been introduced 6 th sem
ME3308	R-4:SSG recommended the syllabus redesign as per the AICTE norms.	Implemented
ME3304	R-4: SSG recommended the syllabus redesign as per the AICTE norms.	Implemented
ME3701	R-4: SSG recommended the syllabus redesign as per the AICTE norms.	Implemented
ME3740	R-4: SSG recommended the syllabus redesign as per the AICTE norms.	Implemented

Other Teaching Learning Aspects		
Overall Teaching Learning Process	<p>R-11: To enhance the overall teaching and learning process, students should actively participate in the lecture, develop a study schedule that includes dedicated time for reviewing lecture notes, completing assignments, and preparing for exams to maintain consistency and avoid last-minute cramming.</p> <p>Make use of academic resources such as libraries, online databases, and study groups to access supplementary materials.</p>	Use digital tools and resources to enhance learning experiences and make lessons more interactive and accessible.
Peer Group Learning	R-5: Students should be encouraged to form diverse study groups to leverage varying strengths and perspectives, enhance understanding of complex topics, and provide structured activities like peer reviews and collaborative projects to promote active learning and mutual support.	Implement regular peer review sessions where students provide feedback on each other's work, fostering a supportive learning environment.
IT Enabled Literacy	R-7: Students should improve IT knowledge by taking advantage of online courses and tutorials on key software and programming languages, also participating in tech workshops and coding boot camps for hands-on experience, and regularly practicing problem-solving on platforms	Encourage students to use of e-books and online resources to expand access to a wide range of learning materials.

	like GitHub and coding challenge websites.	
Communication Skills	R-6: Students should improve their communication skills by engaging in regular practice through presentations, participating in group discussions and debates to enhance verbal articulation, and getting feedback from their mentors to identify areas for improvement.	Implemented
Training for Placements	R-9: Students should actively participate in career counselling programs and mock interviews to enhance their job readiness and seek internships. Performing part-time roles to gain practical experience, networking opportunities, and placement assistance, as well as attending job fairs, provide them valuable industry insights.	Implemented
Orientation	R-2: An effective orientation program for students should include interactive sessions on campus and support services. Additionally, providing campus tours and introducing key faculty and staff can help students acclimate to their new environment. Mentor Mentee session for addressing issues regarding choice of electives and minors should be planned in advance	Incorporate interactive workshops and ice-breaking activities to help new students and staff become familiar with each other and the campus environment. Provide clear information on available resources and support services, such as academic advising, counseling, and extracurricular opportunities
Problem-Solving Approach	R-8: Students should participate in internships and cooperative education programs, engage in project-based learning and case studies that simulate real-world scenarios, and join extracurricular activities like research clubs or industry partnerships to work on practical challenges.	Encourage students to engage in project-based learning where they can work on practical problems over extended periods
Content Quality and Academic Rigor	R-4: To enhance content quality and academic rigor, SSG meeting should be conducted regularly for their feedback and suggestions. Regularly review and update content to maintain high standards and align with industry advancements. Course Code: ME31101, ME3302, ME3603, ME3641, ME3715	Implemented
Teaching Pedagogy	R-1: Teaching pedagogy for communication, we should integrate interactive learning methods like role-playing and group discussions, leverage technology through online tools and multimedia resources	Incorporate diverse instructional strategies, such as inquiry-based learning, flipped classrooms, and experiential learning, to cater to various learning styles and promote deeper understanding.

Mentor Mentee System	R-3: Implement a structured matching process to pair mentors and mentees based on academic interests and career goals. Schedule regular check-ins and progress reviews to ensure ongoing support and effective guidance. Additionally, provide training for mentors and resources for both mentors and mentees to maximize the benefits of the program.	Incorporate feedback mechanisms where both mentors and mentees can share their experiences and suggestions for improvement.
E-Learning Platforms	R-10: Students should choose e-learning platforms that offer courses relevant to their field of study and career goals, ensuring they are recognised and reputable, such as SWAYAM, Course Era, Udemy, etc. Additionally, utilising platform features such as quizzes and certifications can help track progress and help them to get advanced knowledge and expertise	Develop high-quality, interactive content that engages learners through multimedia elements, quizzes, and discussion forums.

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Action Taken Report on Feedback of Stakeholders

Session (2023-24)

Program Name: M.tech in Thermal Engineering



Department of Mechanical Engineering
Quantum University, Roorkee




Action Taken Report		
Department Name: Department of Mechanical Engineering		
Feedback Session: 2023-24		
Curriculum Design		
Code	Recommendation by Sub-Specialty Groups of the Department	Action taken in designing the syllabus for 2024-25
No Change has been done in Syllabus and Scheme for M Tech in 2024-26		

Other Teaching Learning Aspects		
Teaching Pedagogy	AR-1: An effective teaching pedagogy includes incorporating problem-based learning to tackle real-world challenges, combined with flipped classroom strategies that allow students to grasp theoretical concepts independently while using class time for hands-on application.	Use presentations and application based problems and their solutions by including case studies for advanced and better learning.
Elaborative Orientation Program	AR-2: SSG recommended designing an orientation program that immerses M.Tech students in advanced research opportunities, introduces them to cutting-edge industry practices, and fosters a collaborative learning environment. This program would also include sessions on academic integrity, technical writing, and professional networking to prepare them for academic and industry challenges.	As a student of higher studies regular review of research should be done and there should be more focus on publications and higher order researches.
Communication Skills	AR-3: The communication skills of students should be improved through incorporating technical presentations, research paper writing, and group discussions into the curriculum. Emphasis would be placed on clarity, precision, and the ability to convey complex ideas effectively to both technical and non-technical audiences.	To propagate researches and their benefits to mankind students should be encouraged to have excellent writing and communication skills, regularly such sessions should be organized.
Training for Placements	AR-4: The students should be offered mock interviews, industry-specific technical workshops, and resume-building sessions. This training would focus on enhancing their problem-solving skills, technical expertise, and professional	Regular session of mock interviews must be organized as the part of curriculum having the supervision of expertise from industries and feedback should be taken sincerely for the betterment of students.

	presentation, ensuring they are well-prepared to meet the expectations of top employers.	
Overall Teaching Learning Process	AR-5: SSG recommended including hands-on labs, group projects, and real-world case studies, ensuring a holistic and practical understanding of advanced concepts	Inculcation of advanced topics with real world problems with practical approach must be done.


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