

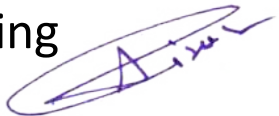
# Action Taken Report on Feedback of Stakeholders

Session (2021-22)

**Program Name: Bachelor of Technology (ME)**



Department of Mechanical Engineering  
Faculty of Technology  
**Quantum University, Roorkee**

  
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## Action Taken Report of the Department

(On the basis of the suggestions made by the IQAC and Sub Specialty Groups of the  
Departments on the Feedback of all stakeholder)

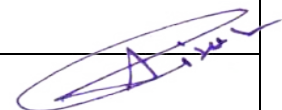
<b>Action Taken Report</b>		
<b>Department Name: Department of Mechanical Engineering</b>		
<b>Feedback Session: 2021-22</b>		
<b>Curriculum Design</b>		
<b>Code</b>	<b>R-2: Recommendation by Sub Specialty Groups of the Department</b>	<b>Action taken for designing the syllabus of 2022-23</b>
<b>MT3603</b>	Syllabus is not up to the mark as per industry requirements	Change the syllabus Unit1, Unit2 and Unit5
<b>CY3205</b>	Syllabus is very lengthy	Some part is removed
<b>ME3403, ME3442</b>	More elaborated study has to be done and more practice sessions are required	Course spread across to semesters with addition of labs ME3410 ME3510 ,ME3445, ME3547
<b>ME3140</b>	There is a need of introducing software drafting tools at early stage for more practice	Added software drafting in Autocad and new course designed ME3142
<b>ME3610</b>	Course required on entrepreneurship concepts and startup norms as students can know the norms of opening up a new business and government promotion schemes.	New course is added
<b>ME3648</b>	Automation in industry practices are to be practiced as industry is rapidly getting automated	New course is added
<b>ME3748</b>	Aspects of quality checks in industry to be learnt and practiced as questions are asked during placements on quality tools.	New course is added
<b>ME3716</b>	Intricacies of Project management and cost economics to be added as new projects are being implements as it is required in industries.	New course is added
<b>ME3612</b>	Aspects of quality checks in industry to be learnt because of demands of quality concepts in industries	New course is added
<b>ME3611</b>	Energy production methods to be learnt in detail to explore the energy engineering field	New course is added
<b>MT3819</b>	Electronic aspects of automation is required to understand automation better	New course is added
<b>ME3815</b>	Energy resources and types of non conventional sources to be known to know about energy sustainability for betterment of society	New course is added
<b>ME3817</b>	Saftey aspects in industry has a wide scope and hence required to know	New course is added

  
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<b>ME3811</b>	Electric vehicle technology is to be known as it is going to drive the economy with many opportunities getting opened up	New course is added
<b>ME3816</b>	New industry layout planning and installation aspects are required in industry	New course is added
<b>ME3102</b>	Fundamentals of new technologies like mechatronics is also required in basic level for all students	Course is modified and ME 3103 introduced
<b>CE3102</b>	Disaster mitigation and how to be prepared is required	New course is added

Deleted Courses

<b>Code</b>	<b>R-2: Recommendation by Sub Specialty Groups of the Department</b>	<b>Action taken</b>
EE3404	Not much significant with respect to placements and a workshop on it will be sufficient	Deleted
EE3443	Not much significant with respect to placements and a workshop on it will be sufficient	Deleted
ME3503	Not much significant with respect to placements	Deleted
ME3743	Replaced with another lab with updated experiments with a focus on current trends.	ME3748 Quality Engineering lab course introduced
ME3604	Not much significant with respect to placements and industry requirement as such.	Deleted
ME3605	Some portion of CFD basics is in Finite element analysis course	Deleted
ME3606	Portions of planning, control and plant layout all can be merged in one course	ME3816 facilities Planning and Design course introduced
ME3607	Portions of planning, control and plant layout all can be merged in one course	ME3816 facilities Planning and Design course introduced
ME3608	Not much relevant with respect to placements and can be withdrawn	Deleted
ME3609	Major portions are already included in newly introduced manufacturing course	Deleted
ME3704	Not much relevant to placements as seen from feedback of alumni	Deleted
ME3705	Not much relevant to placements as seen from feedback of alumni	Deleted
ME3706	All topics related to quality can be merged into one course	ME3612 Industrial inspection and Quality control course introduced

  
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ME3709	Not much related with respect to interview preparations for placement.	Deleted
ME3710	Not much related with respect to interview preparations for placement	Deleted
ME3711	All topics related to quality can be merged into one course	ME3612 Industrial inspection and Quality control course introduced
ME3712	All topics related to quality can be merged into one course	ME3612 Industrial inspection and Quality control course introduced
ME3801	All non conventional energy resources can be merged into one course	ME3815 Non conventional energy resources course is introduced
ME3802	All non conventional energy resources can be merged into one course	ME3815 Non conventional energy resources course is introduced
ME3804	Not much related with respect to interview preparations for placement	Deleted
ME3809	Not much related with respect to interview preparations for placement	Deleted
ME3811	Not much related with respect to interview preparations for placement	Deleted
ME3812	Not much related with respect to interview preparations for placement	Deleted

<b>Other Teaching Learning Aspects</b>		
<b>Overall Teaching Learning Process</b>	<b>AR-1:</b> Extensive use of QLRC for providing learning materials	Implemented
<b>Peer Group Learning</b>	<b>AR-2:</b> A2 assignments should be project based on the course and additional tasks for fast learners with remedial classes for slow learners is required	Implemented on selective courses
<b>IT Enabled Literacy</b>	<b>R-3:</b> IT based Assignments should be given in fundamental courses	Implemented
<b>Communication Skills</b>	<b>R-5:</b> More students presentations are required to be implemented	Incorporated in Assignment, flip classes, mini projects supervised by teachers
<b>Training for Placements</b>	<b>R-6:</b> New array of VACs need to be added	New VACs are introduced, Duties of mentors to educate about Interdisciplinary VACs

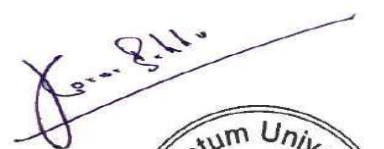

<b>Project lab</b>	<b>R-6:</b> Simulation and modelling concepts to be added	Implemented for final year students
<b>Lab Practice Sessions</b>	<b>R-3:</b> More lab practice sessions can be provided	Implemented for all desirous students
<b>Orientation Program</b>	<b>R-1:</b> Detailed orientation program for new and senior students should be conducted for giving them information about semester related details. Mentors should encourage students to choose minor/ OE after due discussion with them	Implemented
<b>Awareness Program</b>	<b>R-4:</b> Special Guest lecturers need to be conducted for sensitizing students about human values and ethics, gender equality etc	Implemented



Deepak Singhal  
Faculty Incharge,  
University Feedback System



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Karan Babbar  
Coordinator, IQAC

# Action Taken Report on Feedback of Stakeholders

Session (2021-22)

**Program Name: Master of Technology in Thermal Engineering**



Department of Mechanical Engineering  
Faculty of Technology  
Quantum University, Roorkee

  
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Quantum University

## Action Taken Report of the Department

*(On the basis of the suggestions made by the IQAC and Super Specialty Groups of the Departments on the Feedback of all stakeholder)*

<b>Action Taken Report</b>	
<b>Department Name: Department of Mechanical Engineering</b>	
<b>Feedback Session: 2021-22</b>	
<b>Curriculum Design</b>	
<b>R-6: Recommendation by Super Specialty Groups of the Department</b>	<b>Action taken during design of Syllabus for 2022-2024</b>
<b>R-6:</b> Changes in the course is required to include PDE solutions	Course is remodified and changed as a new course ME4213.
<b>R-6:</b> Units are to be remodified with deletion and addition of topics related to application of thermodynamics	Course is remodified and a new course is introduced ME4109
<b>Additional suggestions by SSG and action taken during syllabus design</b>	
<b>R-6:</b> Course on applications of steam should be added	A new course ME4110 is introduced
<b>R-6:</b> Course on research ethics and patent right should be taught to PG students	A new course ME4212 is introduced
<b>R-6:</b> Course on Entrepreneurship and innovation should be introduced	A new course ME4211 is introduced
<b>R-6:</b> Components modelling and its analysis of engines must be known to thermal students	A new course ME4310 is introduced

<b>Other Teaching Learning Aspects</b>		
<b>Overall Teaching Learning Process</b>	<b>R-5:</b> More hands-on learning and an extension of MOOC courses. Additional training on online procedures for COVID-19 is required for teachers. The lecture during COVID time should have access to more sophisticated video production tools.	To enhance the teaching-learning process and adopt online protocols, senior faculty will plan a faculty development programme (FDP) for junior faculties during COVID-19. Technologies for video production will also be covered in the presentations. Types of tests will be offered to students in an online setting during COVID-19.
<b>Peer Group Learning</b>	<b>R-2:</b> Encouraging students to participate in online events run by	Students will be assigned mentors for guidance and motivate students to

	other universities and businesses. It is important to assess the quality of the questions during exams, and the COVID-19 open book method.	participate in online events run by other universities and businesses. Super Speciality Group will check the quality of the questions during exams.
<b>Conference Exposure</b>	<b>R-4:</b> Conferences organised at quantum university and other universities will be open to students to attend.	Students will be welcome to participate in conferences held at quantum university and other universities.
<b>Training for Placements</b>	<b>R-2:</b> The students need to engage in activities that can shape their personalities and improve their skills.	Students are to be motivated to attend off campus and pool placements so as to test their skills in more challenging situations.
<b>Orientation Program</b>	<b>R-1:</b> Orientation program should be more elaborative and informative	Implemented
<b>IT Enabled Literacy</b>	<b>R-3:</b> More ICT enabled course is be introduced that will help the students in their assignments and project. Encouraging faculties to use ICT for imparting Knowledge.	Implemented

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