

Action Taken Report on Feedback of Stakeholders

Session (2022-23)

Program Name: Bachelor of Technology in Mechanical Engineering

A handwritten signature in blue ink, appearing to read 'A. K. L.', is written over a blue oval stamp.

Registrar
Quantum University

Department of Mechanical Engineering
Faculty of Technology
Quantum University, Roorkee

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)

Action Taken Report		
Department Name: Department of Mechanical Engineering		
Feedback Session: 2022-23		
Curriculum Design		
Code	Recommendation by Super Specialty Groups and BOS members of the Department	Action taken during design of Syllabus for 2023-2027
ME3140	R-1: The course content must be updated as per the new trends as per suggestions given taking AICTE model curriculum into consideration.	AICTE model curriculum was considered and Experiments are added to cover all manufacturing aspects and course is renamed.
ME3308	R-1: The course content needs to be revised based on requirements of current competitive exam preparation syllabus	Suggestion of SSG group have been implemented by modifying the syllabus contents as per competitive exam syllabus
ME3302	R-1: syllabus of the course have to be updated, must be changed as per the latest trends.	units changed as per the suggestions and course renamed
ME3304	R-1: Practical implementation of theoretical concepts must be added in the concerned syllabus.	Course is remodified with addition and deletion of many topics
ME3306	R-1: Basics are to be added along with some units related to application	Course is remodified with addition and deletion of many topics
ME3341	R-1: Material testing and material science experiments can be clubbed and formed one lab	Implemented and new course is introduced
ME3342 and ME3343	R-1: Thermal and fluid lab experiments can be clubbed to form one lab	Implemented and new course is introduced
ME3402	R-1: More emphasis on basic kinematics to be added and some topic in dynamics of machine to be added	Course is remodified with addition and deletion of many topics
ME3603	R-1: Mechanical Measurement techniques to be more emphasised	Course is remodified with addition and deletion of many topics
ME3441	R-1: Experiments to be changed and kinematics basic to be added	Course is remodified with addition and deletion of many experiments


ME3501 and ME3601	R-1: Both design one and design 2 can be clubbed together to accommodate latest technological courses	Implemented and new course is introduced
ME3610	R-1: Add product innovation practices units with critical thinking topics	Implemented and new course is introduced
MT3607, MT3641, MT3643	R-1: Courses on robotics, Mechatronics, automation and control to be streamlined with more emphasis on automation in manufacturing and systems required for robotics and control aspects along with its lab experiments. Virtual lab experiments are also to be adopted	Implemented and new course is introduced as a) Mechatronics, robotics and control b) manufacturing and automation
ME3701	R-1: Analysis using computer tools to be more emphasised and machining aspects can be more dealt with in practicals	Portions related to cam is reduced and analysis part is increased.
ME3740	R-1: Practical on machining using computer control is to be focussed more	Course is remodified with addition and deletion of experiments
ME3703	R-1: These topics can be added in ME3815 course and new courses introduced	Implemented and new course is introduced
MT3803	R-1: This can be added as an main program core to know the transformation of mechanical industries by automation	Implemented and new course is introduced
MT3806	R-1: Latest additive technologies can be added as a replacement to this course	New course is added as a replacement

Other Teaching Learning Aspects		
New Education Policy	R-1: Suggestion received to fully implement NEP,2020	Course curriculum have been changed as per the suggestion given in New Education Policy.
Projects	R-2: Projects are way to learn by doing and take more time for completions and hence it can be staged across 2 semesters of final year.	Incorporated in the scheme in seventh and eighth semesters.
Communication Skills	R-2: Communication is a real barrier for students to get placed in good	To improve students' communication skills activities like

	companies as per the feedback given by companies	internship presentations and topic-specific PowerPoint presentations will be planned.
Placement Training for Problem Solving	R-4: Problem solving ability in students is mandatory to get a good job as per the feedback given by industry expert.	Sessions on Problem solving questions will be planned. Students will be able to learn how to work on unknown problems.
IT Enabled Learning	R-3: More practical session and Subjects of IT learning should be introduced to equip students with current employment requisites	Implemented
Extra curriculum Activities	R-6: Guest lectures and workshop to be organized students on various national and international issues from time to time R-5: Students to be encouraged to participate in all activities organized by department and university from time to time	Implemented



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