



KAKATIYA INSTITUTE OF TECHNOLOGY & SCIENCE, WARANGAL

MINOR IN MECHANICAL ENGINEERING (MME) MINOR DEGREE CURRICULUM

S.No	Course Type	Course Code	Course Name	Credits	
1	Minor Compulsory Courses	U24MME1001	Thermodynamics	15-16	
2		U24MME1002	Mechanics of Solids		
3		U24MME1003	Fundamentals of Manufacturing Processes		
-	Minor Elective Courses	Elective courses (any 5 to 6 courses)			
4		U24MME1004	Steam Power Engineering		
5		U24MME1005	Fluid Mechanics and Machinery		
6		U24MME1006	Heat Transfer		
7		U24MME1007	IC Engines and Gas Turbines		
8		U24MME1008	Refrigeration and Air Conditioning		
9		U24MME1009	Design of Machine Elements		
10		U24MME1010	Kinematics of Machinery		
11		U24MME1011	Dynamics of Machinery		
12		U24MME1012	Automobile Engineering		
13		U24MME1013	Finite Element Methods		
14		U24MME1014	Material Science and Metallurgy		
15		U24MME1015	Machine Tool Technology		
16		U24MME1016	Engineering Metrology		
17		U24MME1017	Production Management		
18		U24MME1018	Quality Management		
<p>I. In exigency situations such as the student already completed the listed compulsory courses(s) on his/her own interest during previous semesters through valid MOOCs etc, the HoD in consultation with Dean-AA shall offer an alternative course(s) for the specific scenario, after verification of relevant documents.</p> <p>II. By the end of April of every academic year, the department in consultation with Dean-AA, shall</p> <p>A. notify the list of equivalent courses in SWAYAM-NPTEL MOOCs / other standard MOOCs against the list of courses notified under Minor curriculum</p> <p>B. propose a new course(s) in the place of any listed course(s) in the Minor degree curriculum, in case no equivalent course is found in MOOCs</p>					
-	Minor Laboratory Courses	Laboratory Courses (any 2 courses)			
19		U24MME1019	Thermal Engineering Laboratory	2	
20		U24MME1020	Design Engineering Laboratory		
21		U24MME1021	Production Engineering Laboratory		
22	Minor Mini-project (Optional)	U24MME1022	Mini-project (Optional)	2	
Total Credits				18	