



# 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	U18MME1001	Thermodynamics	15-16	
2		U18MME1002	Mechanics of Solids		
3		U18MME1003	Fundamentals of Manufacturing Processes		
-	Minor Elective Courses	Elective courses (any 5 to 6 courses)			
4		U18MME1004	Steam Power Engineering		
5		U18MME1005	Fluid Mechanics and Machinery		
6		U18MME1006	Heat Transfer		
7		U18MME1007	IC Engines and Gas Turbines		
8		U18MME1008	Refrigeration and Air Conditioning		
9		U18MME1009	Design of Machine Elements		
10		U18MME1010	Kinematics of Machinery		
11		U18MME1011	Dynamics of Machinery		
12		U18MME1012	Automobile Engineering		
13		U18MME1013	Finite Element Methods		
14		U18MME1014	Material Science and Metallurgy		
15		U18MME1015	Machine Tool Technology		
16		U18MME1016	Engineering Metrology		
17		U18MME1017	Production Management		
18		U18MME1018	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		U18MME1019	Thermal Engineering Laboratory	2	
20		U18MME1020	Design Engineering Laboratory		
21		U18MME1021	Production Engineering Laboratory		
22	Minor Mini-project (Optional)	U18MME1022	Mini-project (Optional)	2	
Total Credits				18	