



KAKATIYA INSTITUTE OF TECHNOLOGY & SCIENCE, WARANGAL
MINOR IN MECHANICAL ENGINEERING (MME) - MINOR CURRICULUM
EQUIVALENT MOOCs – EVEN SEMESTER, JAN-APRIL 2023, AY 2022-23

The following are the list of Minors in Mechanical Engineering and their equivalent courses for even semester (January-April) academic year 2022-23.

S. No	Course Code	Course Name	EQUIVALENT COURSES OFFERED BY								
			SWAYAM-NPTEL			COURSERA / UDEMY			SPOKEN TUTORIAL - IITB		
MINOR COMPULSORY COURSES			Course Name	C	Course Dates*	Course Name	C	Course Dates*	Course Name	C	Course Dates*
1	U18MME1001	Thermodynamics	<i>Engineering Thermodynamics</i>	2	CCD: 23-01-2023 LDR: 30-01-2023	-	-	CCD: LDR:	-	-	CCD: LDR:
2	U18MME1002	Mechanics of Solids	-	-	CCD: LDR:	-	-	CCD: LDR:	-	-	CCD: LDR:
3	U18MME1003	Fundamentals of Manufacturing Processes	<i>Manufacturing Processes Technology I & II</i>	3	CCD: 23-01-2023 LDR: 30-01-2023	-	-	CCD: LDR:	-	-	CCD: LDR:
MINOR ELECTIVE COURSES											
4	U18MME1004	Steam Power Engineering	<i>Steam and Gas Power Systems</i>	2	CCD: 22-02-2023 LDR: 22-02-2023	-	-	CCD: LDR:	-	-	CCD: LDR:
5	U18MME1005	Fluid Mechanics and Machinery	<i>Introduction to Fluid Machines</i>	3	CCD: 23-01-2023 LDR: 30-01-2023	-	-	CCD: LDR:	-	-	CCD: LDR:
6	U18MME1006	Heat Transfer	<i>Heat Transfer</i>	3	CCD: 23-01-2023 LDR: 30-01-2023	-	-	CCD: LDR:	-	-	CCD: LDR:
7	U18MME1007	IC Engines and Gas Turbines	<i>IC Engines and Gas Turbines</i>	3	CCD: 23-01-2023 LDR: 30-01-2023	-	-	CCD: LDR:	-	-	CCD: LDR:
8	U18MME1008	Refrigeration and Air Conditioning	-	-	CCD: 14-09-2020 LDR: 21-09-2020	-	-	CCD: LDR:	-	-	CCD: LDR:
9	U18MME1009	Design of Machine Elements	-	-	CCD: LDR:	-	-	CCD: LDR:	-	-	CCD: LDR:
10	U18MME1010	Kinematics of Machinery	<i>Kinematics of Mechanisms and Machines</i>	2	CCD: 23-01-2023 LDR: 30-01-2023	-	-	CCD: LDR:	-	-	CCD: LDR:
11	U18MME1011	Dynamics of Machinery	-	-	CCD: LDR:	-	-	CCD: LDR:	-	-	CCD: LDR:

12	U18MME1012	Automobile Engineering	<i>Fundamentals of Automotive Systems</i>	3	CCD: 23-01-2023	-	-	CCD:	-	-	CCD:
					LDR: 30-01-2023			LDR:			LDR:
13	U18MME1013	Finite Element Methods	<i>Finite Element Method</i>	3	CCD: 23-01-2023	-	-	CCD:	-	-	CCD:
					LDR: 30-01-2023			LDR:			LDR:
14	U18MME1014	Material Science and Metallurgy	<i>Materials Science and Engineering</i>	2	CCD: 23-01-2023	-	-	CCD:	-	-	CCD:
					LDR: 30-01-2023			LDR:			LDR:
15	U18MME1015	Machine Tool Technology	<i>Mechanics of Machining</i>	2	CCD: 23-01-2023	-	-	CCD:	-	-	CCD:
					LDR: 30-01-2023			LDR:			LDR:
16	U18MME1016	Engineering Metrology	-	3	CCD:	-	-	CCD:	-	-	CCD:
					LDR:			LDR:			LDR:
17	U18MME1017	Production Management	<i>Production and Operation Management</i>	3	CCD: 23-01-2023	-	-	CCD:	-	-	CCD:
					LDR: 30-01-2023			LDR:			LDR:
18	U18MME1018	Quality Management	<i>Total Quality Management - I</i>	2	CCD: 20-02-2023	-	-	CCD:	-	-	CCD:
					LDR: 20-02-2023			LDR:			LDR:
<ul style="list-style-type: none"> 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 propose an alternative course(s) for the specific scenario, after verification of relevant documents. 											

*C: Credits; CCD: Course Commencement Date; LDR: Last Date of Registration

-	Minor Laboratory Courses	Laboratory Courses (any 2 courses) - TO BE TAKEN IN THE MINOR DEPARTMENT		
19		U18MME1019	Thermal Engineering Laboratory	
20		U18MME1020	Design Engineering Laboratory	
21		U18MME1021	Production Engineering Lab	
<i>Total Credits to be earned</i>				2 credits
<i>Total Credits to be earned</i>				18+2

Date: 17-12-2022
Sri S. Anil Kumar & Ms. P. Divya
MOOCs Coordinators

Dr. K. Raja Narendra Reddy
Head of the Department

Dr. V. Rajagopal
Dean, Academic Affairs