



KAKATIYA INSTITUTE OF TECHNOLOGY & SCIENCE, WARANGAL
MINOR IN MECHANICAL ENGINEERING (MME)
MINOR CURRICULUM - 1
EQUIVALENT MOOCs - ODD SEMESTER, JULY-DEC 2025, AY 2025-26

The following are the list of Minor in Mechanical Engineering and their equivalent courses for ODD semester (July-Dec) academic year 2025-26.

MINOR COMPULSORY COURSES			EQUIVALENT COURSES OFFERED BY SWAYAM-NPTEL			
S. No	Course Code	Course Name	Course Name, Duration & Course Code	C	Course Dates*	Course Enrollment Link
1.	U24MME1001	Thermodynamics	Engineering Thermodynamics (12 Weeks) noc25-me182	4	CCD: July 21, 2025 to Oct 10, 2025 LDR: July 28, 2025	https://onlinecourses.nptel.ac.in/noc25_me182/preview
2.	U24MME1002	Mechanics of Solids	Solid Mechanics (12 Weeks) noc25-me123	4	CCD: July 21, 2025 to Oct 10, 2025 LDR: July 28, 2025	https://onlinecourses.nptel.ac.in/noc25_me123/preview
3.	U24MME1003	Fundamentals of Manufacturing Processes	Manufacturing Systems Technology I & II (12 Weeks) noc25-me156	4	CCD: July 21, 2025 to Oct 10, 2025 LDR: July 28, 2025	https://onlinecourses.nptel.ac.in/noc25_me156/preview
MINOR ELECTIVE COURSES (any 5 to 6 courses)						
4.	U24MME1004	Steam Power Engineering	Steam Power Engineering (8 Weeks) noc25-me146	3	CCD: July 21, 2025 to Sep 12, 2025 LDR: July 28, 2025	https://onlinecourses.nptel.ac.in/noc25_me146/preview
5.	U24MME1005	Fluid Mechanics and Machinery	Fluid Mechanics (12 Weeks) noc25-ce107	4	CCD: July 21, 2025 to Oct 10, 2025 LDR: July 28, 2025	https://onlinecourses.nptel.ac.in/noc25_ce107/preview
6.	U24MME1006	Heat Transfer	Heat Transfer (12 Weeks) noc25-ch87	4	CCD: July 21, 2025 to Oct 10, 2025 LDR: July 28, 2025	https://onlinecourses.nptel.ac.in/noc25_ch87/preview
7.	U24MME1007	IC Engines and Gas Turbines	Applied Thermodynamics (12 Weeks) noc25-me148	4	CCD: July 21, 2025 to Oct 10, 2025 LDR: July 28, 2025	https://onlinecourses.nptel.ac.in/noc25_me148/preview
8.	U24MME1008	Refrigeration and Air Conditioning	Refrigeration and Air - Conditioning (8 Weeks) noc25-me114	3	CCD: July 21, 2025 to Sep 12, 2025 LDR: July 28, 2025	https://onlinecourses.nptel.ac.in/noc25_me114/preview

9.	U24MME1009	Design of Machine Elements	NOT AVAILBLE THIS SEMSTER	-	CCD:- LDR: -	-
10.	U24MME1010	Kinematics of Machinery	Mechanism and Robot Kinematics (8 Weeks) noc25-me164	3	CCD: Aug 18, 2025 to Oct 10, 2025 LDR: Aug 18, 2025	https://onlinecourses.nptel.ac.in/noc25_me164/preview
11.	U24MME1011	Dynamics of Machinery	NOT AVAILBLE THIS SEMSTER	-	CCD:- LDR: -	-
12.	U24MME1012	Automobile Engineering	NOT AVAILBLE THIS SEMSTER	-	CCD:- LDR: -	-
13.	U24MME1013	Finite Element Methods	Basics of Finite Element Analysis-I (8 Weeks) noc25-me158	3	CCD: July 21, 2025 to Sep 12, 2025 LDR: July 28, 2025	https://onlinecourses.nptel.ac.in/noc25_me158/preview
14.	U24MME1014	Material Science and Metallurgy	Basics of Materials Engineering (12 Weeks) noc25-me104	4	CCD: July 21, 2025 to Oct 10, 2025 LDR: July 28, 2025	https://onlinecourses.nptel.ac.in/noc25_me104/preview
15.	U24MME1015	Machine Tool Technology	NOT AVAILBLE THIS SEMSTER	-	CCD: - LDR: -	-
16.	U24MME1016	Engineering Metrology	NOT AVAILBLE THIS SEMSTER	-	CCD: - LDR: -	-
17.	U24MME1017	Production Management	NOT AVAILBLE THIS SEMSTER	-	CCD: - LDR: -	-
18.	U24MME1018	Quality Management	NOT AVAILBLE THIS SEMSTER	-	CCD: - LDR: -	-

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

S. No	Minor Laboratory Courses	Laboratory Courses (any 2 courses) - TO BE TAKEN IN THE MINOR DEPARTMENT		
19		U24MME1019	Thermal Engineering Laboratory	2 credits
20		U24MME1020	Design Engineering Laboratory	
21		U24MME1021	Production Engineering Laboratory	
22	Minor Mini-project (Optional)	U24MME1022	Mini-project (Optional)	2 credits
Total Credits to be earned				16+2

Sri S. Anil Kumar
Date: 05-07-2025 MOOCs Coordinators, MED

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