



**KAKATIYA INSTITUTE OF TECHNOLOGY & SCIENCE, WARANGAL**  
**MINOR IN MECHANICAL ENGINEERING (MME)**  
**MINOR CURRICULUM - 2**

**EQUIVALENT MOOCs - EVEN SEMESTER, JAN-APRIL 2025, AY 2024-25**

The following are the list of Minor Courses in Mechanical Engineering and their equivalent courses for EVEN semester (Jan-April) academic year 2024-25.

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.	U18MME1001	Thermodynamics	Thermodynamics (12 Weeks) noc25-me78	3	CCD: Jan 20, 2025 to April 11, 2025 LDR: Jan 27, 2025	<a href="https://onlinecourses.nptel.ac.in/noc25_me78/preview">https://onlinecourses.nptel.ac.in/noc25_me78/preview</a>
2.	U18MME1002	Mechanics of Solids	Strength Of Materials - IITM (12 Weeks) noc25-me73	3	CCD: Jan 20, 2025 to April 11, 2025 LDR: Jan 27, 2025	<a href="https://onlinecourses.nptel.ac.in/noc25_me73/preview">https://onlinecourses.nptel.ac.in/noc25_me73/preview</a>
3.	U18MME1003	Fundamentals of Manufacturing Processes	Manufacturing Systems Technology I & II (12 Weeks) noc25-me51	3	CCD: Jan 20, 2025 to April 11, 2025 LDR: Jan 27, 2025	<a href="https://onlinecourses.nptel.ac.in/noc25_me51/preview">https://onlinecourses.nptel.ac.in/noc25_me51/preview</a>
<b>MINOR ELECTIVE COURSES (any 3 to 6 courses)</b>						
4.	U18MME1004	Steam Power Engineering	Steam And Gas Power Systems (8 Weeks) noc24-me19	2	CCD: Jan 20, 2025 to March 23, 2025 LDR: Jan 27, 2025	<a href="https://onlinecourses.nptel.ac.in/noc24_me19/preview">https://onlinecourses.nptel.ac.in/noc24_me19/preview</a>
5.	U18MME1005	Fluid Mechanics and Machinery	Introduction to Fluid Mechanics (12 Weeks) noc25-me41	3	CCD: Jan 20, 2025 to April 27, 2025 LDR: Jan 27, 2025	<a href="https://onlinecourses.nptel.ac.in/noc25_me41/preview">https://onlinecourses.nptel.ac.in/noc25_me41/preview</a>
6.	U18MME1006	Heat Transfer	Heat Transfer (12 Weeks) noc25-ch11	3	CCD: Jan 20, 2025 to April 11, 2025 LDR: Jan 27, 2025	<a href="https://onlinecourses.nptel.ac.in/noc25_ch26/preview">https://onlinecourses.nptel.ac.in/noc25_ch26/preview</a>
7.	U18MME1007	IC Engines and Gas Turbines	IC Engines and Gas Turbines (12 Weeks) noc25-me36	3	CCD: Jan 20, 2025 to April 11, 2025 LDR: Jan 27, 2025	<a href="https://onlinecourses.nptel.ac.in/noc25_me36/preview">https://onlinecourses.nptel.ac.in/noc25_me36/preview</a>
8.	U18MME1008	Refrigeration and Air Conditioning	<b>NOT AVAILABLE THIS SEMESTER</b>	-	CCD: - LDR: -	-
9.	U18MME1009	Design of Machine Elements	Design of Mechanical Transmission Systems (12 Weeks) noc25-me15	3	CCD: Jan 20, 2025 to April 11, 2025 LDR: Jan 27, 2025	<a href="https://onlinecourses.nptel.ac.in/noc25_me15/preview">https://onlinecourses.nptel.ac.in/noc25_me15/preview</a>

10.	U18MME1010	Kinematics of Machinery	Kinematics of Mechanisms And Machines (8 Weeks) noc25-me46	2	CCD: Jan 20, 2025 to March 14, 2025 LDR: Jan 29, 2024	<a href="https://onlinecourses.nptel.ac.in/noc25_me46/preview">https://onlinecourses.nptel.ac.in/noc25_me46/preview</a>
11.	U18MME1011	Dynamics of Machinery	<b>NOT AVAILABLE THIS SEMESTER</b>	-	CCD:- LDR: -	-
12.	U18MME1012	Automobile Engineering	Fundamentals of Automotive Systems (12 Weeks) noc25-de02	3	CCD: Jan 20, 2025 to April 11, 2025 LDR: Jan 27, 2025	<a href="https://onlinecourses.nptel.ac.in/noc25_de02/p/preview">https://onlinecourses.nptel.ac.in/noc25_de02/p/preview</a>
13.	U18MME1013	Finite Element Methods	Finite Element Method (12 Weeks) noc25-ce21	3	CCD: Jan 20, 2025 to April 11, 2025 LDR: Jan 27, 2025	<a href="https://onlinecourses.nptel.ac.in/noc25_ce21/p/preview">https://onlinecourses.nptel.ac.in/noc25_ce21/p/preview</a>
14.	U18MME1014	Material Science and Metallurgy	<b>NOT AVAILABLE THIS SEMESTER</b>	-	CCD: - LDR: -	-
15.	U18MME1015	Machine Tool Technology	<b>NOT AVAILABLE THIS SEMESTER</b>	-	CCD: - LDR: -	-
16.	U18MME1016	Engineering Metrology	Mechanical Measurement Systems (8 Weeks) noc25-me52	2	CCD: Jan 20, 2025 to March 14, 2025 LDR: Jan 27, 2025	<a href="https://onlinecourses.nptel.ac.in/noc25_me52/preview">https://onlinecourses.nptel.ac.in/noc25_me52/preview</a>
17.	U18MME1017	Production Management	Production and Operation Management (12 Weeks) noc25-mg53	3	CCD: Jan 20, 2025 to April 11, 2025 LDR: Jan 27, 2025	<a href="https://onlinecourses.nptel.ac.in/noc25_mg53/preview">https://onlinecourses.nptel.ac.in/noc25_mg53/preview</a>
18.	U18MME1018	Quality Management	Total Quality Management-I (12 Weeks) noc25-mg74	2	CCD: Feb 17, 2025 to April 11, 2025 LDR: Feb 17, 2025	<a href="https://onlinecourses.nptel.ac.in/noc25_mg74/preview">https://onlinecourses.nptel.ac.in/noc25_mg74/preview</a>

\*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		U18MME1019	Thermal Engineering Laboratory	2 credits
20		U18MME1020	Design Engineering Laboratory	
21		U18MME1021	Production Engineering Laboratory	
<i>Total Credits to be earned</i>				18+2

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