KAKATIYA INSTITUTE OF TECHNOLOGY & SCIENCE, WARANGAL
MINOR IN MECHANICALENGINEERING (MME)
MINOR CURRICULUM – 1
EQUIVALENT MOOCs – ODD SEMESTER, JULY-DEC 2026, AY 2026-27

The following are the list of Minors in Mechanical Engineering and their equivalent courses for ODD semester (July-Dec) academic year 2026-27.

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	Engineering Thermodynamics (12 Weeks) noc26-me142	3	CCD: July 20, 2026 to Oct 09, 2026 LDR: July 27, 2026	*https://onlinecourses.nptel.ac.in/e-learning/preview/noc26_me142*
2.	U18MME1002	Mechanics of Solids	Solid Mechanics (12 Weeks) noc26-me134	3	CCD: July 20, 2026 to Oct 09, 2026 LDR: July 27, 2026	*https://onlinecourses.nptel.ac.in/e-learning/preview/noc26_me134*
3.	U18MME1003	Fundamentals of Manufacturing Processes	Manufacturing Systems Technology I & II (12 Weeks) noc26-me155	3	CCD: July 20, 2026 to Oct 09, 2026 LDR: July 27, 2026	*https://onlinecourses.nptel.ac.in/e-learning/preview/noc26_me155*
MINOR ELECTIVE COURSES (any 5 to 6 courses)						
4.	U18MME1004	Steam Power Engineering	Steam Power Engineering (8 Weeks) noc26-me129	2	CCD: July 20, 2026 to Sep 11, 2026 LDR: July 27, 2026	*https://onlinecourses.nptel.ac.in/e-learning/preview/noc26_me129*
5.	U18MME1005	Fluid Mechanics and Machinery	Advanced Fluid Mechanics (12 weeks) noc26-me138	3	CCD: July 20, 2026 to Oct 09, 2026 LDR: July 27, 2026	*https://onlinecourses.nptel.ac.in/e-learning/preview/noc26_me138*
6.	U18MME1006	Heat Transfer	Heat Transfer (12 Weeks) noc26-me110	3	CCD: July 20, 2026 to Oct 09, 2026 LDR: July 27, 2026	*https://onlinecourses.nptel.ac.in/e-learning/preview/noc26_me110*
7.	U18MME1007	IC Engines and Gas Turbines	Applied Thermodynamics (12 Weeks) noc26-me183	3	CCD: July 20, 2026 to Oct 09, 2026 LDR: July 27, 2026	*https://onlinecourses.nptel.ac.in/e-learning/preview/noc26_me183*
8.	U18MME1008	Refrigeration and Air Conditioning	Refrigeration and Air - Conditioning (8 Weeks) noc26-me124	2	CCD: July 20, 2026 to Sep 11, 2026 LDR: July 27, 2026	*https://onlinecourses.nptel.ac.in/e-learning/preview/noc26_me124*
9.	U18MME1009	Design of Machine Elements	***NOT AVAIALBLE IN THIS SEMSTER***			

10.	U18MME1010	Kinematics of Machinery	Mechanism and Robot Kinematics (8 Weeks) noc26-me200	2	CCD: Aug 17, 2026 to Oct 09, 2026 LDR: Aug 17, 2026	*https://onlinecourses.nptel.ac.in/e-learning/preview/noc26_me200*
11.	U18MME1011	Dynamics of Machinery	***NOT AVAIALBLE IN THIS SEMSTER***			
12.	U18MME1012	Automobile Engineering	***NOT AVAIALBLE IN THIS SEMSTER***			
13.	U18MME1013	Finite Element Methods	Basics of Finite Element Analysis-I (8 Weeks) noc26-me126	2	CCD: July 20, 2026 to Sep 11, 2026 LDR: July 27, 2026	*https://onlinecourses.nptel.ac.in/e-learning/preview/noc26_me126*
14.	U18MME1014	Material Science and Metallurgy	Basics of Materials Engineering (12 Weeks) noc26-me165	3	CCD: July 20, 2026 to Oct 09, 2026 LDR: July 27, 2026	*https://onlinecourses.nptel.ac.in/e-learning/preview/noc26_me165*
15.	U18MME1015	Machine Tool Technology	Fundamentals of Manufacturing Processes (12 Weeks) noc26-me151	3	CCD: July 20, 2026 to Sep 11, 2026 LDR: July 27, 2026	*https://onlinecourses.nptel.ac.in/e-learning/preview/noc26_me151*
16.	U18MME1016	Engineering Metrology	***NOT AVAIALBLE IN THIS SEMSTER***			
17.	U18MME1017	Production Management	Production and Operations Management: Theory and Application (12 Weeks) noc26-mg125	3	CCD: July 20, 2026 to Sep 11, 2026 LDR: July 27, 2026	*https://onlinecourses.nptel.ac.in/e-learning/preview/noc26_mg125*
18.	U18MME1018	Quality Management	***NOT AVAIALBLE IN THIS SEMSTER***			

***C**: **C**redits; **CCD**: **C**ourse **C**ommencement **D**ate; LDR: **L**ast **D**ate of **R**egistration

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**	
22	**Minor Mini-project (Optional)**	U18MME1022	**Mini-project (Optional)**	**2 credits**
			Total Credits to be earned	**16+2**

Sri S. Anil Kumar
MOOCs Coordinator, MED

Dr. P. Srikanth
Professor of ME & Head

Dr. S. Narasimha Reddy
Dean, Academic Affairs