



KAKATIYA INSTITUTE OF TECHNOLOGY AND SCIENCE, WARANGAL
MINOR IN ELECTRONICS AND COMMUNICATION ENGINEERING (MECE)

MINOR CURRICULUM-1

[for ME and CE]

EQUIVALENT MOOCs-ODD SEMESTER, JULY-OCTOBER 2025, AY 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	U24MEC1001	Analog Electronics	NOT AVAILABLE THIS SEMESTER	-	CCD:	
					LDR:	
2	U24MEC1002	Digital Electronics	NOT AVAILABLE THIS SEMESTER	-	CCD:	
					LDR:	
3	U24MEC1003	Signals and Systems	NOT AVAILABLE THIS SEMESTER	-	CCD:	
					LDR:	
MINOR ELECTIVE COURSES (any 3 to 6 courses)						
4	U24MEC1004	Communication Engineering	NOT AVAILABLE THIS SEMESTER	-	CCD:	
					LDR:	
5	U24MEC1005	Digital Signal Processing	Real-Time Digital Signal Processing noc25-ee118 (12 weeks)	4	CCD:July 21, 2025	https://onlinecourses.nptel.ac.in/noc25_ee118/preview
					LDR:Oct 10, 2025	
6	U24MEC1006	Microprocessors and Microcontrollers	NOT AVAILABLE THIS SEMESTER	-	CCD:	
					LDR:	
7	U24MEC1007	Introduction to	NOT AVAILABLE THIS SEMESTER		CCD:	

		Embedded systems			LDR:	
8	U24MEC1008	CMOS Digital VLSI Design	NOT AVAILABLE THIS SEMESTER		CCD:	
					LDR:	
9	U24MEC1009	Digital Image Processing	Digital Image Processing noc25-ee126 (12weeks)	4	CCD: July 21, 2025	https://onlinecourses.nptel.ac.in/noc25_ee126/preview
					LDR: October 10, 2025	
10	U24MEC1010	Wireless and Cellular Communications	Introduction to Wireless and Cellular Communications noc25-ee109 (12weeks)	4	CCD: July 21, 2025	https://onlinecourses.nptel.ac.in/noc25_ee109/preview
					LDR: October 10, 2025	----
11	U24MEC1011	Antennas	NOT AVAILABLE THIS SEMESTER		CCD:	----
					LDR:	
12	U24MEC1012	Fiber Optic Communication Technology	Fiber Optic Communication Technology noc25-ee90 (12weeks)	4	CCD: July 21, 2025	https://onlinecourses.nptel.ac.in/noc25_ee90/preview
					LDR: October 10, 2025	
13	U24MEC1013	Sensors and Actuators	NOT AVAILABLE THIS SEMESTER	-	CCD:	
					LDR:	
14	U24MEC1014	Wireless AdHoc and Sensor Networks	NOT AVAILABLE THIS SEMESTER	-	CCD:	----
					LDR:	
15	U24MEC1015	Internet of Things	NOT AVAILABLE THIS SEMESTER	-	CCD:	
					LDR:	
16	U24MEC1016	Robotics	NOT AVAILABLE THIS SEMESTER	-	CCD:	
					LDR:	
17	U24MEC1017	Microwave Theory and Techniques	NOT AVAILABLE THIS SEMESTER		CCD:	----
					LDR:	
18	U24MEC1018	Machine Learning	Machine Learning and Deep Learning - Fundamentals and Applications noc25-ee181 (12weeks)	4	CCD: July 21, 2025	https://onlinecourses.nptel.ac.in/noc25_cs46/preview
					LDR: October 10, 2025	https://onlinecourses.nptel.ac.in/noc25_cs50/preview

*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		U24MEC1019	Analog and Digital Circuits Laboratory	2 credits
20		U24MEC1020	Communications Engineering Laboratory	
21		U24MEC1021	Signal Processing Laboratory	
22		U24MEC1022	Microprocessors and Embedded systems Laboratory	
Total Credits to be earned 16+2				18

Date: 16.07.2025 MOOCs Coordinator

Head of the Department

Dean, Academic Affairs

