



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 OF FERED BY SWAYAM-NPTTEL

S.No	Course Code	Course Name	Course Name, Duration & Course Code	C	Course Dates*	Course Enrollment Link
1	U18MEC1001	Analog Electronics	NOT AVAILABLE THIS SEMESTER	-	CCD: LDR:	
2	U18MEC1002	Digital Electronics	NOT AVAILABLE THIS SEMESTER	-	CCD: LDR:	
3	U18MEC1003	Signals and Systems	NOT AVAILABLE THIS SEMESTER	-	CCD: LDR:	

MINOR ELECTIVE COURSES (any 3 to 6 courses)

4	U18MEC1004	Communication Engineering	NOT AVAILABLE THIS SEMESTER	-	CCD: LDR:	
5	U18MEC1005	Digital Signal Processing	Real-Time Digital Signal Processing noc25-ee118 (12 weeks)	3	CCD: July 21, 2025 LDR: October 10, 2025	https://onlinecourses.nptel.ac.in/noc25_ee118/preview
6	U18MEC1006	Microprocessors and Microcontrollers	NOT AVAILABLE THIS SEMESTER	-	CCD: LDR:	
7	U18MEC1007	Introduction to Embedded systems	NOT AVAILABLE THIS SEMESTER		CCD: LDR:	
8	U18MEC1008	CMOS Digital VLSI Design	NOT AVAILABLE THIS SEMESTER		CCD: LDR:	
9	U18MEC1009	Digital Image Processing	Digital Image Processing noc25-ee126 (12 weeks)	3	CCD: July 21, 2025 LDR: October 10, 2025	https://onlinecourses.nptel.ac.in/noc25_ee126/preview

10	U18MEC1010	Wireless and Cellular Communications	Introduction to Wireless and Cellular Communications noc25-ee109 (12weeks)	3	CCD: July 21, 2025 LDR: October 10, 2025	https://onlinecourses.nptel.ac.in/noc25_ee109/preview
11	U18MEC1011	Antennas	NOT AVAILABLE THIS SEMESTER		CCD: LDR:	---
12	U18MEC1012	Fiber Optic Communication Technology	Fiber Optic Communication Technology noc25-ee90 (12weeks)	3	CCD: July 21, 2025 LDR: October 10, 2025	https://onlinecourses.nptel.ac.in/noc25_ee90/preview
13	U18MEC1013	Sensors and Actuators	NOT AVAILABLE THIS SEMESTER		CCD: LDR:	
14	U18MEC1014	Wireless AdHoc and Sensor Networks	NOT AVAILABLE THIS SEMESTER		CCD: LDR:	---
15	U18MEC1015	Internet of Things			CCD: LDR:	
16	U18MEC1016	Robotics	NOT AVAILABLE THIS SEMESTER		CCD: LDR:	
17	U18MEC1017	Microwave Theory and Techniques	NOT AVAILABLE THIS SEMESTER		CCD: LDR:	---
18	U18MEC1018	Machine Learning	Machine Learning and Deep Learning - Fundamentals and Applications noc25-ee181 (12weeks)	3	CCD: July 21, 2025 LDR: October 10, 2025	https://onlinecourses.nptel.ac.in/noc25_cs46/preview https://onlinecourses.nptel.ac.in/noc25_cs50/preview

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

S.No	Laboratory Courses (any 2 courses) - TO BE TAKEN IN THE MINOR DEPARTMENT			
19	MINOR LABORATORY COURSES	U18MEC1019	Analog and Digital Circuits Laboratory	2 credits
20		U18MEC1020	Communications Engineering Laboratory	
21		U18MEC1021	Signal Processing Laboratory	
22		U18MEC1022	Microprocessors and Embedded systems Laboratory	
Total Credits to be earned				18

Date: 16.07.2025 MOOCs Coordinator

Head of the Department

Dean, Academic Affairs