



KAKATIYA INSTITUTE OF TECHNOLOGY AND SCIENCE, WARANGAL
MINOR IN ELECTRONICS AND COMMUNICATION ENGINEERING (MECE)
MINOR CURRICULUM-2

[For EIE, EEE, CSE, IT & ECI]

EQUIVALENT MOOCs-ODD SEMESTER, JULY-OCTOBER 2025, AY 2025-26

MINOR COMPULSORY COURSES

EQUIVALENT COURSES OFFERED BY SWAYAM-NPTTEL

S.No	Course Code	Course Name	Course Name,Duration & Course Code	C	Course Dates*		Course Enrollment Link
1	U18MEEC2001	Introduction to Embedded systems	NOT AVAILABLE THIS SEMESTER	-	CCD:		
					LDR:		
2	U18MEEC2002	Modern digital Communication techniques	Modern Digital Communication Techniques noc25-ee130 (12 weeks)	3	CCD:July 21 2025		https://onlinecourses.nptel.ac.in/noc25_ee130/preview
					LDR:Oct 10 2025		
3	U18MEEC2003	CMOS Digital VLSI Design	NOT AVAILABLE THIS SEMESTER	-	CCD:	-	-
					LDR:		

MINOR ELECTIVE COURSES (any 3 to 6 courses)

4	U18MEEC2004	Biomedical Signal Processing	NOT AVAILABLE THIS SEMESTER		CCD: LDR:	-
5	U18MEEC2005	Fundamentals of MIMO Wireless Communication	NOT AVAILABLE THIS SEMESTER	-	CCD: LDR:	-
6	U18MEEC2006	Evolution of Air Interface Towards 5G	NOT AVAILABLE THIS SEMESTER		CCD:	
7	U18MEEC2007	Coding Theory	An Introduction to Coding Theory noc25-ee114(8 Weeks)	2	CCD: July 21, 2025 LDR:	https://onlinecourses.nptel.ac.in/noc25_ee114/preview
8	U18MEEC2008	Computer Vision and Image Processing Fundamentals and	NOT AVAILABLE THIS SEMESTER	-	CCD: LDR:	
9	U18MEEC2009	Software Defined Radio	NOT AVAILABLE THIS SEMESTER		CCD: LDR:	-

10	U18MEC2010	Wireless and Cellular Communications	Introduction to Wireless and Cellular Communications noc25-ee109 (12 weeks)		CCD: July 21, 2025 LDR: Oct 10, 2025	https://onlinecourses.nptel.ac.in/noc25_ee109/preview
11	U18MEC2011	Antennas	Analysis and Design Principles of Microwave Antennas noc25-ee128 (12 weeks)		CCD: August 18, 2025 LDR: Oct 10, 2025	https://onlinecourses.nptel.ac.in/noc25_ee128/preview
12	U18MEC2012	Fiber Optic Communication Technology	Fiber Optic Communication Technology noc25-ee90 (12 weeks)	3	CCD: July 21, 2025 LDR: October 10, 2025	https://onlinecourses.nptel.ac.in/noc25_ee90/preview
13	U18MEC2013	Sensors and Actuators	NOT AVAILABLE THIS SEMESTER		CCD: LDR:	
14	U18MEC2014	Wireless AdHoc and Sensor Networks	NOT AVAILABLE THIS SEMESTER		CCD: LDR:	--
15	U18MEC2015	Industrial Internet of Things	NOT AVAILABLE THIS SEMESTER		CCD:	
16	U18MEC2016	Robotics and Computer	NOT AVAILABLE THIS SEMESTER		CCD: LDR:	--
17	U18MEC2017	Microwave Theory and Techniques	NOT AVAILABLE THIS SEMESTER		CCD: LDR:	--
18	U18MEC2018	Peer To Peer Networks	NOT AVAILABLE THIS SEMESTER		CCD: LDR:	--

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

S.No	Laboratory Courses (any2courses)-TO BE TAKEN IN THE MINOR DEPARTMENT			
19	MINOR LABORATORY COURSES	U18MEC2019	ECAD Laboratory	2 credits
20		U18MEC2020	Communication Engineering Laboratory	
21		U18MEC2021	Circuit Simulation Laboratory	
22		U18MEC2022	Microwave and Optical Communications Laboratory	
Total Credits to be earned 16+2				18

Date: 16.07.2025 MOOCs Coordinator

Head of the Department

Dean, Academic Affairs