



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-NPTEL			
S.No	Course Code	Course Name	Course Name, Duration & Course Code	C	Course Dates*	Course Enrollment Link
1	U24MEC2001	Introduction to Embedded systems	<i>NOT AVAILABLE THIS SEMESTER</i>	-	CCD: LDR:	
2	U24MEC2002	Modern digital Communication techniques	Modern Digital Communication Techniques noc25-ee130 (12 weeks)	4	CCD: July 21 2025 LDR: Oct 10 2025	https://onlinecourses.nptel.ac.in/noc25_ee130/preview
3	U24MEC2003	CMOS Digital VLSI Design	<i>NOT AVAILABLE THIS SEMESTER</i>	-	CCD: LDR:	--
MINOR ELECTIVE COURSES (any 3 to 6 courses)						
4	U24MEC2004	Biomedical Signal Processing	<i>NOT AVAILABLE THIS SEMESTER</i>		CCD: LDR:	--
5	U24MEC2005	Fundamentals of MIMO Wireless Communication	<i>NOT AVAILABLE THIS SEMESTER</i>	-	CCD: LDR:	--
6	U24MEC2006	Evolution of Air Interface	<i>NOT AVAILABLE THIS SEMESTER</i>		CCD:	

		Towards 5G		-	LDR:	--
7	U24MEC2007	Coding Theory	An Introduction to Coding Theory noc25-ee114 (8 Weeks)	3	CCD: July 21, 2025	https://onlinecourses.nptel.ac.in/noc25_ee114/preview
					LDR:	--
8	U24MEC2008	Computer Vision and Image Processing Fundamentals	NOT AVAILABLE THIS SEMESTER	-	CCD:	
					LDR:	
9	U24MEC2009	Software Defined Radio	NOT AVAILABLE THIS SEMESTER		CCD:	--
					LDR:	
10	U24MEC2010	Wireless and Cellular Communications	Introduction to Wireless and Cellular Communications noc25-ee109 (12 weeks)		CCD: July 21 2025	https://onlinecourses.nptel.ac.in/noc25_ee109/preview
					LDR: Oct 10 2025	
11	U24MEC2011	Antennas	Analysis and Design Principles of Microwave Antennas noc25-ee128 (12 weeks)	4	CCD: August 18, 2025	https://onlinecourses.nptel.ac.in/noc25_ee128/preview
					LDR: Oct 10 2025	
12	U24MEC2012	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	U24MEC2013	Sensors and Actuators	NOT AVAILABLE THIS SEMESTER		CCD:	
					LDR:	
14	U24MEC2014	Wireless Ad-Hoc and Sensor Networks	NOT AVAILABLE THIS SEMESTER		CCD:	--
					LDR:	
15	U24MEC2015	Industrial Internet of Things	NOT AVAILABLE THIS SEMESTER		CCD:	
16	U24MEC2016	Robotics and Computer	NOT AVAILABLE THIS SEMESTER		CCD:	--
					LDR:	
17	U24MEC2017	Microwave Theory and Techniques	NOT AVAILABLE THIS SEMESTER		CCD:	--
					LDR:	
18	U24MEC2018	Peer To Peer Networks	NOT AVAILABLE THIS SEMESTER		CCD:	--

*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		U24MEC2019	ECAD Laboratory	2 credits
20		U24MEC2020	Communication Engineering Laboratory	
21		U24MEC2021	Circuit Simulation Laboratory	
22		U24MEC2022	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

