



**KAKATIYA INSTITUTE OF TECHNOLOGY AND SCIENCE, WARANGAL HONOURS
IN ELECTRONICS AND COMMUNICATION ENGINEERING (HECE) HONOURS
CURRICULUM
EQUIVALENT MOOCs-ODD SEMESTER, JULY-OCTOBER 2025, AY 2025-26**

HONOURS ELECTIVE COURSES <i>(any 6 to 8 courses to earn 16 credits)</i>			EQUIVALENT COURSES OFFERED BY SWAYAM-NPTEL			
S.No.	Course Code	Course Name	Course Name, Duration & Course Code	C*	Course Dates*	Course Enrollment Link
1.	U24HEC1001	Phase-Locked Loops	Phase-Locked Loops noc25-ee93 (12weeks)	4	CCD: July 21 2025 LDR: October 10 2025	https://onlinecourses.nptel.ac.in/noc25_ee93/preview
2.	U24HEC1002	Digital VLSI Testing	VLSI design noc25-ee92 (12weeks)	4	CCD: April 11, 2025 LDR: April 27 2025	https://onlinecourses.nptel.ac.in/noc25_ee25/preview
3.	U24HEC1003	Mathematic aspects of biomedical electronic system design	NOT AVAILABLE THIS SEMESTER	-	CCD: LDR:	
4.	U24HEC1004	Sensor Technologies: Physics, Fabrication, and Circuits	Sensor Technologies: Physics, Fabrication, and Circuits (noc25-ee108) (8 weeks)	3	July 21, 2025 LDR:	https://onlinecourses.nptel.ac.in/noc25_ee108/preview
5.	U24HEC1005	Artificial Intelligence	NOT AVAILABLE THIS SEMESTER	-	CCD: LDR:	
6.	U24HEC1006	Integrated photonic devices and circuits	NOT AVAILABLE THIS SEMESTER	-	CCD: LDR:	
7.	U24HEC1007	Industry 4.0 and	NOT AVAILABLE THIS SEMESTER	-	CCD:	

		Industrial IOT	SEMESTER		LDR:	
8.	U24HEC1008	Software Defined Radio	NOT AVAILABLE THIS SEMESTER	-	CCD:	
					LDR:	
9.	U24HEC1009	Machine Learning and Deep Learning - Fundamentals and Applications	Machine Learning and Deep Learning - Fundamentals and Applications (12weeks) noc25-ee181	4	CCD: July 21 2025	https://onlinecourses.nptel.ac.in/noc25_ee181/preview
					LDR: October 10 2025	
10.	U24HEC1010	Nano Technology	NOT AVAILABLE THIS SEMESTER	-	CCD:	
					LDR:	
11.	U24HEC1011	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:	
12.	U24HEC1012	Modern Digital Communication Techniques	Modern Digital Communication Techniques noc25-ee130 (12weeks)	4	CCD: July 21 2025	https://onlinecourses.nptel.ac.in/noc25_ee130/preview
					LDR: October 10 2025	
13.	U24HEC1013	Computer Vision and Image Processing- Fundamentals and Applications	NOT AVAILABLE THIS SEMESTER	-	CCD:	
					LDR:	
14.	U24HEC1014	Microwave Theory and Techniques	NOT AVAILABLE THIS SEMESTER	-	CCD:	
					LDR:	
15.	U24HEC1015	Principles of Signal Estimation for MIMO/ OFDM Wireless Communication	NOT AVAILABLE THIS SEMESTER	-	CCD:	
					LDR:	

-	Honours Laboratory Courses	Laboratory Courses (any 2 courses)–TO BE TAKEN IN THE PARENT DEPARTMENT		
16		U24HEC1016	VLSI Design Laboratory	2 credits
17		U24HEC1017	Advanced Communication Laboratory	
18		U24HEC1018	Signal Processing and Applications Laboratory	
19		U24HEC1019	Antenna Design Laboratory	
<i>Total Credits to be earned 16+2</i>				18

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

Date: 16.07.2025 MOOCs Coordinator

Head of the Department

Dean, Academic Affairs

