



**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 LECTIVE COURSES (any 6 to 8 courses to earn 16 credits)			EQUIVALENT COURSES OFFERED BY SWAYAM-NPTEL			
S.No	Course Code	Course Name	Course Name, Duration & Course Code	C*	Course Dates*	Course Enrollment Link
1.	U18HEC1001	Digital VLSI Testing	VLSI design noc25-ee92 (12weeks)	3	CCD: April 11, 2025 LDR: April 27, 2025	https://onlinecourses.nptel.ac.in/noc25_ee25/preview
2.	U18HEC1002	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
3.	U18HEC1003	Modern Digital Communication Techniques	Modern Digital Communication Techniques noc25-ee130 (12weeks)	3	CCD: July 21, 2025 LDR: October 10, 2025	https://onlinecourses.nptel.ac.in/noc25_ee130/preview
4.	U18HEC1004	Computer Vision and Image Processing- Fundamentals and Applications	NOT AVAILABLE THIS SEMESTER	-	CCD: LDR:	
5.	U18HEC1005	Software Defined Radio	NOT AVAILABLE THIS SEMESTER	-	CCD: LDR:	
6.	U18HEC1006	Millimeter Wave Technology	NOT AVAILABLE THIS SEMESTER	-	CCD: LDR:	

7.	U18HEC1007	Multirate DSP	NOT AVAILABLE THIS SEMESTER	-	CCD: LDR:	
8.	U18HEC1008	Microwave Theory and Techniques	NOT AVAILABLE THIS SEMESTER	-	CCD: LDR:	
9.	U18HEC1009	Fabrication Techniques for MEMs-based Sensors :Clinical Perspective	NOT AVAILABLE THIS SEMESTER	-	CCD: LDR:	
10.	U18HEC1010	Principles of Signal Estimation for MIMO/OFDM Wireless Communication	NOT AVAILABLE THIS SEMESTER	-	CCD: LDR:	
11.	U18HEC1011	Deep Learning for Computer Vision	Machine Learning and Deep Learning - Fundamentals and Applications (12 weeks) noc25-ee181	3	CCD: July 21 2025 LDR: October 10 2025	https://onlinecourses.nptel.ac.in/noc25_ee181/preview
12.	U18HEC1012	Artificial Intelligence	NOT AVAILABLE THIS SEMESTER	-	CCD: LDR:	
13.	U18HEC1013	Industrial Internet of things	NOT AVAILABLE THIS SEMESTER	-	CCD: LDR:	
14.	U18HEC1014	Robotics	NOT AVAILABLE THIS SEMESTER	-	CCD: LDR:	
15.	U18HEC1015	Data Science	NOT AVAILABLE THIS SEMESTER	-	CCD: LDR:	

		Laboratory Courses (any 2 courses) – TO BE TAKEN IN THE PARENT DEPARTMENT		
16	Honours Laboratory Courses	U18HEC1016	VLSI Design Laboratory	2 credits
17		U18HEC1017	Advanced Communication Laboratory	
18		U18HEC1018	Signal Processing and Applications Laboratory	
19		U18HEC1019	Antenna Design Laboratory	
Total Credits to be earned				18

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

Date: 16.07.2025 MOOCs Coordinator *K. D. D. S.*

Head of the Department *M. Reddy*

Dean, Academic Affairs