



KAKATIYA INSTITUTE OF TECHNOLOGY AND SCIENCE, WARANGAL
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
HONOURS CURRICULUM

HONOURS IN ELECTRONICS AND COMMUNICATION ENGINEERING (HEC)
HONOURS CURRICULUM

S.No	Course Type	Course Code	Course Name	Credits	
-	Honours Elective Courses	Elective courses (any 6 to 9 courses)			18
1		U18HEC1001	Digital VLSI Testing		
2		U18HEC1002	Coding Theory		
3		U18HEC1003	Modern Digital Communication Techniques		
4		U18HEC1004	Computer Vision and Image Processing-Fundamentals and Applications		
5		U18HEC1005	Software Defined Radio		
6		U18HEC1006	Millimeter Wave Technology		
7		U18HEC1007	Multirate DSP		
8		U18HEC1008	Microwave Theory and Techniques		
9		U18HEC1009	Fabrication Techniques for MEMs-based Sensors : Clinical Perspective		
10		U18HEC1010	Principles of Signal Estimation for MIMO/ OFDM Wireless Communication		
11		U18HEC1011	Deep Learning for Computer Vision		
12		U18HEC1012	Artificial Intelligence		
13		U18HEC1013	Industrial Internet of things		
14		U18HEC1014	Robotics		
15	U18HEC1015	Data Science			
<p>I. In exigency situations such as the student already completed the listed compulsory courses(s) on his/her own interest during previous semesters through valid MOOCs etc, the HoD in consultation with Dean-AA shall offer an alternative course(s) for the specific scenario, after verification of relevant documents.</p> <p>II. By the end of April of every academic year, the department in consultation with Dean-AA, shall</p> <p style="padding-left: 20px;">A. notify the list of equivalent courses in SWAYAM-NPTEL MOOCs / other standard MOOCs against the list of courses notified under Honours curriculum</p> <p style="padding-left: 20px;">B. propose a new course(s) in the place of any listed course(s) in the Honours curriculum, in case no equivalent course is found in MOOCs</p>					
-	Honours Laboratory Courses	Laboratory Courses (any 2 courses)			2
16		U18HEC1016	VLSI Design Laboratory		
17		U18HEC1017	Advanced Communication Laboratory		
18		U18HEC1018	Signal Processing and Applications Laboratory		
19	U18HEC1019	Antenna Design Laboratory			
Total Credits				20	