



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

MINOR IN ELECTRONICS AND COMMUNICATION ENGINEERING (MEC)
MINOR CURRICULUM- 2 (for EIE, EEE, CSE ,IT & ECI)

S.No	Course Type	Course Code	Course Name	Credits
1	Minor Compulsory Courses	U18MEC2001	Introduction to Embedded systems	18
2		U18MEC2002	Modern digital Communication techniques	
3		U18MEC2003	CMOS Digital VLSI Design	
		Elective courses -1(any 3 to 6 courses)		
4	Minor Elective Courses	U18MEC2004	Biomedical Signal Processing	
5		U18MEC2005	Fundamentals of MIMO Wireless Communication	
6		U18MEC2006	Evolution of Air Interface towards 5G	
7		U18MEC2007	Coding Theory	
8		U18MEC2008	Computer Vision and Image Processing- Fundamentals and Applications	
9		U18MEC2009	Software Defined Radio	
10		U18MEC2010	Wireless and Cellular Communications	
11		U18MEC2011	Antennas	
12		U18MEC2012	Fiber Optic Communication Technology	
13		U18MEC2013	Sensors and Actuators	
14		U18MEC2014	Wireless Ad Hoc and Sensor Networks	
15		U18MEC2015	Industrial Internet of Things	
16		U18MEC2016	Robotics and Computer Vision	
17		U18MEC2017	Microwave Theory and Techniques	
18		U18MEC2018	Peer To Peer Networks	
<p>I. In exigency situations such as the student already completed the listed compulsory courses(s) or elective course(s) on his/her own interest during previous semesters through valid MOOCs etc, the HoD in consultation with Dean-AA shall propose 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> <ol style="list-style-type: none"> 1. notify the list of equivalent courses in SWAYAM-NPTEL MOOCs / other standard MOOCs against the courses listed under Minor curriculum 2. propose a new course(s) in the place of any course(s) listed under Minor curriculum, in case no equivalent course is found in MOOCs 				
-	Minor Laboratory Courses	Laboratory Courses (any 2 courses)		
19		U18MEC2019	ECAD Laboratory	2
20		U18MEC2020	Communication Engineering Laboratory	
21		U18MEC2021	Circuit Simulation Laboratory	
22		U18MEC2022	Microwave and Optical Communications Laboratory	
Total Credits				20