



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

MINOR CURRICULUM

MINOR IN ELECTRONICS AND COMMUNICATION ENGINEERING (MEC)
MINOR CURRICULUM-1 (for ME and CE)

S.No	Course Type	Course Code	Course Name	Credits
1	Minor Compulsory Courses	U18MEC1001	Analog Electronics	18
2		U18MEC1002	Digital Electronics	
3		U18MEC1003	Signals and Systems	
		Elective courses -1(any 3 to 6 courses)		
4	Minor Elective Courses	U18MEC1004	Communication Engineering	
5		U18MEC1005	Digital Signal Processing	
6		U18MEC1006	Microprocessors and Microcontrollers	
7		U18MEC1007	Introduction to Embedded systems	
8		U18MEC1008	CMOS Digital VLSI Design	
9		U18MEC1009	Digital Image Processing	
10		U18MEC1010	Wireless and Cellular Communications	
11		U18MEC1011	Antennas	
12		U18MEC1012	Fiber Optic Communication Technology	
13		U18MEC1013	Sensors and Actuators	
14		U18MEC1014	Wireless Ad Hoc and Sensor Networks	
15		U18MEC1015	Internet of Things	
16		U18MEC1016	Robotics	
17		U18MEC1017	Microwave Theory and Techniques	
18		U18MEC1018	Machine Learning	
<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 				
-			Laboratory Courses-1 (any 2 courses)	
19	Minor Laboratory Courses	U18MEC1019	Analog and Digital Circuits Laboratory	2
20		U18MEC1020	Communications Engineering Laboratory	
21		U18MEC1021	Signal Processing Laboratory	
22		U18MEC1022	Microprocessors and Embedded systems Laboratory	
Total Credits				20