



<b>KAKATIYA INSTITUTE OF TECHNOLOGY &amp; SCIENCE,WARANGAL</b>
<b>MINOR IN ELECTRONICS &amp; COMMUNICATION ENGINEERING</b> <b>(MEC) MINOR DEGREE CURRICULUM-1 (for ME and CE)</b>

S.No	Course Type	CourseCode	Course Name	Credits	
1	Minor Compulsory Courses	U18MEC1001	Analog Electronics	15-16	
2		U18MEC1002	Digital Electronics		
3		U18MEC1003	Signals and Systems		
-	Minor Elective Courses	Electivecourses(any 5to 6 courses)			
4		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) 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>A. Notify the list of equivalent courses in SWAYAM-NPTELMOOCs/other standard MOOCs against the list of courses notified under Minor curriculum</p> <p>B. Propose a new course(s) in the place of any listed course(s)in the Minor degree curriculum, in case no equivalent course is found in MOOCs</p>					
-	Minor Laboratory Courses	LaboratoryCourses(any2courses)			2
19		U18MEC1019	Analog and Digital Circuits Laboratory		
20		U18MEC1020	Communications Engineering Laboratory		
21		U18MEC1021	Signal Processing Laboratory		
22		U18MEC1022	Microprocessors and Embedded systems		
23	Minor Mini-project (Optional)	U18MEC1023	Mini-project (Optional)	2	
Total Credits				18	