



KAKATIYA INSTITUTE OF TECHNOLOGY & SCIENCE, WARANGAL
MINOR IN ELECTRONICS & COMMUNICATION ENGINEERING (MEC)
MINOR DEGREE CURRICULUM-2 (for EIE, EEE, CSE, IT & ECI)

S.No	Course Type	CourseCode	Course Name	Credits
1	Minor Compulsory Courses	U24MEC1001	Introduction to Embedded systems	15-16
2		U24MEC1002	Modern digital Communication	
3		U24MEC1003	CMOS Digital VLSI Design	
-	Minor Elective Courses	Electivecourses(any 5to 6 courses)		
4		U24MEC1004	Biomedical Signal Processing	
5		U24MEC1005	Fundamentals of MIMO Wireless Communication	
6		U24MEC1006	Evolution of Air Interface towards 5G	
7		U24MEC1007	Coding Theory	
8		U24MEC1008	Computer Vision and Image Processing- Fundamentals and Applications	
9		U24MEC1009	Software Defined Radio	
10		U24MEC1010	Wireless and Cellular Communications	
11		U24MEC1011	Antennas	
12		U24MEC1012	Fiber Optic Communication Technology	
13		U24MEC1013	Sensors and Actuators	
14		U24MEC1014	Wireless AdHoc and Sensor Networks	
15		U24MEC1015	Industrial Internet of Things	
16		U24MEC1016	Robotics and Computer Vision	
17		U24MEC1017	Microwave Theory and Techniques	
18	U24MEC1018	Peer To Peer Networks		
<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		U24MEC1019	Analog and Digital Circuits Laboratory	
20		U24MEC1020	Communications Engineering Laboratory	
21		U24MEC1021	Signal Processing Laboratory	
22	Minor Mini-project (Optional)	U24MEC1022	Microprocessors and Embedded systems	2
23		U24MEC1023	Mini-project (Optional)	
Total Credits				18