KAKATIYA INSTITUTE OF TECHNOLOGY AND SCIENCE, WARANGAL
DEPARTMENT OF ELECTRONICS COMMUNICATION AND INSTRUMENTATION ENGINEERING
MINOR IN ELECTRONICS COMMUNICATION AND INSTRUMENTATION ENGINEERING (MECI)
- MINOR DEGREE CURRICULUM

S.No	Course Type	Course Code	Course Name	Credits
-		Core courses (any 2 to 3 courses)		
1	Minor Core Courses	U24MCI1001	Analog Electronic Circuits	6-9
2		U24MCI1002	Digital Circuits	
3		U24MCI1003	Sensors & Actuators	
4		U24MCI1004	Communication Engineering	
5		U24MCI1005	Signals and Systems	
6		U24MCI1006	Microprocessors and Interfacing	
-		Elective courses (any 2 to 4 courses)		
7	Minor Elective Courses	U24MCI1007	Electrical Measurement and Electronic Instruments	9-12
8		U24MCI1008	Integrated Circuits	
9		U24MCI1009	Digital Signal Processing	
10		U24MCI1010	Industrial Internet of Things	
11		U24MCI1011	Introduction to Embedded System Design	
12		U24MCI1012	Introduction to Machine Learning	
13		U24MCI1013	Artificial Intelligence and Applications	
14		U24MCI1014	Wireless and Cellular Communications	
15		U24MCI1015	Fiber Optic Communications	
16		U24MCI1016	Digital Image Processing	
17		U24MCI1017	VLSI Design	
18		U24MCI1018	Biomedical Instrumentation	

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.

II. By the end of April of every academic year, the department in consultation with Dean-AA, shall
- A. notify the list of equivalent courses in SWAYAM-NPTEL MOOCs / other standard MOOCs against the list of courses notified under Minor curriculum
- 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

S.No	Course Type	Course Code	Course Name	Credits
-		Laboratory Courses (any 2 courses)		
19	Minor Laboratory Courses	U24MCI1019	Analog and Digital Circuits Laboratory	2
20		U24MCI1020	Sensors and Actuators Laboratory	
21		U24MCI1021	Microprocessors and Interfacing Laboratory	
22		U24MCI1022	Communications and Signal Processing Laboratory	
23	Mini-project (Optional)	U24MCI1023	Mini-project (Optional)	2
			Total Credits	**18**