



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

MINOR IN ELECTRONICS AND INSTRUMENTATION ENGINEERING (MEI)

MINOR CURRICULUM

S.No	Course Type	Course Code	Course Name	Credits
1	Minor Compulsory Courses	U18MEI1001	Analog Electronics	18
2		U18MEI1002	Digital Electronics	
3		U18MEI1003	Measurements and Sensors	
		Elective courses (any 3 to 6 courses)		
4	Minor Elective Courses	U18MEI1004	Signal and Systems	
5		U18MEI1005	Linear Integrated Circuits	
6		U18MEI1006	Electromagnetic Theory	
7		U18MEI1007	Digital Signal Processing	
8		U18MEI1008	Digital Image Processing	
9		U18MEI1009	Digital Design using HDL	
10		U18MEI1010	VLSI Design	
11		U18MEI1011	Computer Architecture	
12		U18MEI1012	Microprocessors and Microcontrollers	
13		U18MEI1013	Embedded Systems	
14		U18MEI1014	Internet of Things	
15		U18MEI1015	Process Instrumentation	
16		U18MEI1016	Biomedical Instrumentation	
17		U18MEI1017	Process Control	
18		U18MEI1018	Communication systems	
<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		U18MEI1019	Instrumentation Lab	2
20		U18MEI1020	Analog Circuits Lab	
21		U18MEI1021	Digital Design Lab	
22	U18MEI1022	MPMC Lab		
Total Credits				20