



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

MINOR IN ELECTRICAL ENGINEERING (MEE)
MINOR CURRICULUM

S.No	Course Type	Course Code	Course Name	Credits	
1	Minor Compulsory Courses	U24MEE1001	Electric Circuits	16	
2		U24MEE1002	Electrical Machines		
3		U24MEE1003	Renewable Energy Systems		
	Minor Elective Courses	Elective courses (any 3 to 6 courses)			
4		U24MEE1004	A Basic Course on Electric and Magnetic Circuits/Electro Magnetic Theory		
5		U24MEE1005	Control Systems		
6		U24MEE1006	Electrical Power Systems		
7		U24MEE1007	Utilization of Electrical Engineering		
8		U24MEE1008	Fundamentals of Power Electronics		
9		U24MEE1009	Fundamentals of Electric Drives		
10		U24MEE1010	Introduction to Electric and Hybrid Electric Vehicle		
11		U24MEE1011	Power Systems Protection/ Power Systems Protection and Switchgear		
12		U24MEE1012	Power Quality		
13		U24MEE1013	Energy Auditing		
<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> <p>A. notify the list of equivalent courses in SWAYAM-NPTEL MOOCs / other standard MOOCs against the courses listed under Minor curriculum</p> <p>B. 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</p>					
-	Minor Laboratory Courses	Laboratory Courses (any 2 courses)			
14		U24MEE1014	Electrical Circuits & Simulation Lab	2	
15		U24MEE1015	Electrical Machines Lab		
16		U24MEE1016	Power Systems Lab		
17		U24MEE1017	Power Electronics & Drives Lab		
18	Mini-project (optional)	U24MEE1018	Mini-project (optional)	2	
Total Credits				18	