



KAKATIYA INSTITUTE OF TECHNOLOGY AND SCIENCE, WARANGAL

MINOR IN ELECTRICAL ENGINEERING (MEE) - MINOR CURRICULUM-1

[for branches: CE, ME, CSE, IT, CSN]

EQUIVALENT MOOCs - EVEN SEMESTER, JAN-APR 2025, AY 2024-25

S.No	Course Code	Course Name	EQUIVALENT COURSES OFFERED BY								
			SWAYAM-NPTEL			COURSERA / UDEMY			SPOKEN TUTORIAL - IITB		
MINOR COMPULSORY COURSES			Course Name	C	Course Dates*	Course Name	C	Course Dates*	Course Name	C	Course Dates*
1	U18MEE1001	Electric Circuits	--	-	CCD: LDR:	--	-	CCD: LDR:	--	-	CCD: LDR:
2	U18MEE1002	Electrical Machines-I	--	-	CCD: LDR:	--	-	CCD: LDR:	--	-	CCD: LDR:
3	U18MEE1003	Electrical Measurements	--	-	CCD: LDR:	--	-	CCD: LDR:	--	-	CCD: LDR:
MINOR ELECTIVE COURSES											
4	U18MEE1004	Electrical Power Systems	--	-	CCD: LDR:	--	-	CCD: LDR:	--	-	CCD: LDR:
5	U18MEE1005	Renewable Energy Systems	--	-	CCD: LDR:	--	-	CCD: LDR:	--	-	CCD: LDR:
6	U18MEE1006	Power System Analysis	--	-	CCD: LDR:	--	-	CCD: LDR:	--	-	CCD: LDR:
7	U18MEE1007	Power Systems Protection	--	-	CCD: LDR:	--	-	CCD: LDR:	--	-	CCD: LDR:
8	U18MEE1008	Power Electronics	<i>Fundamental of Power Electronics</i>	3	CCD: 20.01.2025 LDR: 27.01.2025	--	-	CCD: LDR:	--	-	CCD: LDR:
9	U18MEE1009	Electric Vehicles	<i>EV - Vehicle Dynamics and Electric Motor Drives</i>	2	CCD: 20.01.2025 LDR: 27.01.2025	--	-	CCD: LDR:	--	-	CCD: LDR:
10	U18MEE1010	Control Systems	<i>Control Engineering</i>	3	CCD: 20.01.2025 LDR: 27.01.2025	--	-	CCD: LDR:	--	-	CCD: LDR:
11	U18MEE1011	Electronic	--	-	CCD:	--	-	CCD:	--	-	CCD:

		Devices and Circuits			LDR:			LDR:			LDR:
12	U18MEE1012	Electromagnetic Fields	--	-	CCD:	--	-	CCD:	--	-	CCD:
					LDR:			LDR:			LDR:
13	U18MEE1013	Utilization of Electrical Engineering	--	-	CCD:	--	-	CCD:	--	-	CCD:
					LDR:			LDR:			LDR:
14	U18MEE1014	Electrical Machines-II	Electrical Machines - II	3	CCD: 20.01.2025	--		CCD:	--		CCD:
					LDR: 27.01.2025			LDR:			LDR:
15	U18MEE1015	Digital Electronics	--	-	CCD:	--		CCD:	--		CCD:
					LDR:			LDR:			LDR:
16	U18MEE1016	Signals & Systems	Signals and Systems	3	CCD: 20.01.2025	--		CCD:	--		CCD:
					LDR: 27.01.2025			LDR:			LDR:
17	U18MEE1017	Microprocessors	Microprocessors and Interfacing	3	CCD: 20.01.2025	--		CCD:	--		CCD:
					LDR: 27.01.2025			LDR:			LDR:
18	U18MEE1018	Digital Signal Processors	--		CCD:	--		CCD:	--		CCD:
					LDR:			LDR:			LDR:
<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 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 list of courses notified under Honours curriculum</p> <p>B. propose a new course(s) in the place of any listed course(s) in the Honours curriculum, in case no equivalent course is found in MOOCs</p>											

*C: Credits;CCD: Course Commencement Date;LDR: Last Date of Registration

-	Minor Laboratory Courses	Laboratory Courses (any 2 courses) - TO BE TAKEN IN THE MINOR DEPARTMENT		
19		U18MEE1014	Electrical Circuits & Measurements Simulation Lab	2 credits
20		U18MEE1015	Electrical Machines Simulation Lab	
21		U18MEE1016	Power Systems Simulation Lab	
22		U18MEE1017	Power Electronics Simulation Lab	
			<i>Total Credits to be earned</i>	18+2

Date: 17.12.2024

Dr. A. Rajasekhar
MOOCs Coordinator

Dr. G. Rajender
Head of the Department

Dean, Academic Affairs

