



KAKATIYA INSTITUTE OF TECHNOLOGY AND SCIENCE, WARANGAL

MINOR IN ELECTRICAL ENGINEERING (MEE) - MINOR CURRICULUM

[for branches: ECE, ECI, EIE]

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	U18MEE2001	Electrical Machines	--	-	CCD: LDR	--	-	CCD: LDR	--	--	CCD: LDR
2	U18MEE2002	Electrical Power Systems	--	-	CCD: LDR	--	-	CCD: LDR	--	-	CCD: LDR
3	U18MEE2003	Power Electronics	Fundamental of Power Electronics	3	CCD: 20.01.2025	--	-	CCD:	--	-	CCD:
					LDR: 27.01.2025			LDR:			LDR:
MINOR ELECTIVE COURSES											
4	U18MEE2004	Utilization of Electrical Engineering	--	-	CCD: LDR	--	-	CCD: LDR	--	-	CCD: LDR
5	U18MEE2005	Renewable Energy Systems	--	-	CCD: LDR	--	-	CCD: LDR	--	-	CCD: LDR
6	U18MEE2006	Power System Analysis	--	-	CCD: LDR	--	-	CCD: LDR	--	-	CCD: LDR
7	U18MEE2007	Power Systems Protection	--	-	CCD: LDR	--	-	CCD: LDR	--	-	CCD: LDR
8	U18MEE2008	SCADA	--	--	CCD: LDR	--	-	CCD: LDR	--	-	CCD: LDR
9	U18MEE2009	Electric Vehicles	EV - Vehicle Dynamics and Electric Motor Drives	2	CCD: 20.01.2025	-	-	CCD:	--	-	CCD:
					LDR: 27.01.2025			LDR:			LDR:
10	U18MEE2010	Digital Control Systems	--	-	CCD: LDR	--	-	CCD: LDR	--	-	CCD: LDR

11	U18MEE2011	Electric Drives	--	-	CCD: LDR:	--	-	CCD: LDR:	--	-	CCD: LDR:
12	U18MEE2012	Power Quality	Power Quality	3	CCD: 20.01.2025 LDR: 27.01.2025	--	-	CCD: LDR:	--	-	CCD: LDR:
13	U18MEE2013	Energy Auditing	--	-	CCD: LDR:	--	-	CCD: LDR:	--	-	CCD: LDR:
14	U18MEE2014	Electrical Machines- II	Electrical Machines - II	3	CCD: 20.01.2025 LDR: 27.01.2025	--	-	CCD: LDR:	--	-	CCD: LDR:
15	U18MEE2015	High Voltage Engineering	--	-	CCD: LDR:	--	-	CCD: LDR:	--	-	CCD: LDR:
16	U18MEE2016	Smart Grid	Smart Grid: Basics to Advanced Technologies	3	CCD: 20.01.2025 LDR: 27.01.2025	--	-	CCD: LDR:	--	-	CCD: LDR:
17	U18MEE2017	DC Microgrid	--	-	CCD: LDR:	--	-	CCD: LDR:	--	-	CCD: LDR:
18	U18MEE2018	Design of Photovoltaic Systems	--	-	CCD: LDR:	--	-	CCD: LDR:	--	-	CCD: LDR:

- 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.
- 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 Honours curriculum
 - 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

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

Laboratory Courses (any 2 courses) - TO BE TAKEN IN THE MINOR DEPARTMENT					
19	Minor Laboratory Courses	U18MEE2014	Electrical Circuits & Control Systems Simulation Lab	2 credits	
20		U18MEE2015	Electrical Machines Simulation Lab		
21		U18MEE2016	Power Systems Simulation Lab		
22		U18MEE2017	Power Electronics & Drives 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