



# KAKATIYA INSTITUTE OF TECHNOLOGY AND SCIENCE, WARANGAL

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

[for branches: ECE, ECI, EIE]

### EQUIVALENT MOOCs - ODD SEMESTER, JULY-DEC 2022, AY 2022-23

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	Electrical Machines - I	3	CCD: 25.07.2022	--	-	CCD:	--	--	CCD:
					LDR: 01.08.2022			LDR:			LDR:
2	U18MEE2002	Electrical Power Systems	--	-	CCD: LDR	--	-	CCD: LDR:	--	-	CCD: LDR:
3	U18MEE2003	Power Electronics	--	-	CCD: LDR:	--	-	CCD: LDR:	--	-	CCD: 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	Power System Analysis	3	CCD: 25.07.2022	--	-	CCD:	--	-	CCD:
					LDR: 01.08.2022			LDR:			LDR:
7	U18MEE2007	Power Systems Protection	Power System Protection	3	CCD: 25.07.2022	--	-	CCD:	--	-	CCD:
					LDR: 01.08.2022			LDR:			LDR:
8	U18MEE2008	SCADA	--	--	CCD: LDR:	--	-	CCD: LDR:	--	-	CCD: LDR:
9	U18MEE2009	Electric Vehicles	--	-	CCD: LDR:	-	-	CCD: LDR:	--	-	CCD: LDR:
10	U18MEE2010	Digital Control Systems	--	-	CCD: LDR:	--	-	CCD: LDR:	--	-	CCD: LDR:
11	U18MEE2011	Electric Drives	Fundamentals of Electric Drives	2	CCD: 25.07.2022	--	-	CCD:	--	-	CCD:

					LDR: 01.08.2022			LDR:			LDR:
12	U18MEE2012	Power Quality	--	3	CCD: LDR:	--	-	CCD: LDR:	--	-	CCD: LDR:
13	U18MEE2013	Energy Auditing	--	-	CCD: LDR:	--	-	CCD: LDR:	--	-	CCD: LDR:
14	U18MEE2014	Electrical Machines-II	--		CCD: LDR:	--		CCD: LDR:	--		CCD: LDR:
15	U18MEE2015	High Voltage Engineering	--		CCD: LDR:	--		CCD: LDR:	--		CCD: LDR:
16	U18MEE2016	Smart Grid	Introduction to Smart Grid	2	CCD: 25.07.2022 LDR: 01.08.2022	--		CCD: LDR:	--		CCD: LDR:
17	U18MEE2017	DC Microgrid	DC Microgrid and Control System	2	CCD: 25.07.2022 LDR: 01.08.2022	--		CCD: LDR:	--		CCD: LDR:
18	U18MEE2018	Design of Photovoltaic Systems	Design of photovoltaic systems	3	CCD: 25.07.2022 LDR: 01.08.2022	--		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	
			Total Credits to be earned	18+2

Sd/-

Dr. A. Rajasekhar  
MOOCs Coordinator

Date: 27.06.2022

Sd/-

Prof. C. Venkatesh  
Head of the Department

Dean, Academic Affairs