



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 2021, AY 2021-22

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	<i>Electrical Machines - I</i>	3	CCD: 26.07.2021	--	-	CCD:	--	--	CCD:
					LDR: 02.08.2021			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	<i>Power System Analysis</i>	3	CCD: 26.07.2021	--	-	CCD:	--	-	CCD:
					LDR: 02.08.2021			LDR:			LDR:
7	U18MEE2007	Power Systems Protection	<i>Power System Protection</i>	3	CCD: 26.07.2021	--	-	CCD:	--	-	CCD:
					LDR: 02.08.2021			LDR:			LDR:
8	U18MEE2008	SCADA	--	--	CCD: LDR	--	-	CCD: LDR	--	-	CCD: LDR

9	U18MEE2009	Electric Vehicles	--	-	CCD:	-	-	CCD:	--		CCD:
					LDR:			LDR:			
10	U18MEE2010	Digital Control Systems	--	-	CCD:	--	-	CCD:	--	-	CCD:
					LDR:			LDR:			
11	U18MEE2011	Electric Drives	--	-	CCD:	--	-	CCD:	--	-	CCD:
					LDR:			LDR:			
12	U18MEE2012	Power Quality	Power Quality	3	CCD: 26.07.2021	--	-	CCD:	--	-	CCD:
					LDR: 02.08.2021			LDR:			LDR:
13	U18MEE2013	Energy Auditing	--	-	CCD:	--	-	CCD:	--	-	CCD:
					LDR:			LDR:			
14	U18MEE2014	Electrical Machines-II	--		CCD:	--		CCD:	--		CCD:
					LDR:			LDR:			
15	U18MEE2015	High Voltage Engineering	--		CCD:	--		CCD:	--		CCD:
					LDR:			LDR:			
16	U18MEE2016	Smart Grid	Introduction to Smart Grid	2	CCD: 26.07.2021	--		CCD:	--		CCD:
					LDR: 02.08.2021			LDR:			LDR:
17	U18MEE2017	DC Microgrid	DC Microgrid and Control System	2	CCD: 26.07.2021	--		CCD:	--		CCD:
					LDR: 02.08.2021			LDR:			LDR:
18	U18MEE2018	Design of Photovoltaic Systems	Design of photovoltaic systems	3	CCD: 26.07.2021	--		CCD:	--		CCD:
					LDR: 02.08.2021			LDR:			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

Sd/-

Dr. A. Rajasekhar
MOOCs Coordinator

Date: 06.06.2021

Sd/-

Prof. C. Venkatesh
Head of the Department

Dean, Academic Affairs