



## KAKATIYA INSTITUTE OF TECHNOLOGY AND SCIENCE, WARANGAL

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

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

### 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	U18MEE1001	Electric Circuits	Basic Electrical Circuits	3	CCD: 26.07.2021	--	-	CCD:	--	-	CCD:
					LDR: 02.08.2021			LDR:			LDR:
2	U18MEE1002	Electrical Machines-I	Electrical Machines - I	3	CCD: 26.07.2021	--	-	CCD:	--	-	CCD:
					LDR: 02.08.2021			LDR:			LDR:
3	U18MEE1003	Electrical Measurements	--	-	CCD:	--	-	CCD:	--	-	CCD:
					LDR:			LDR:			LDR:
MINOR ELECTIVE COURSES											
4	U18MEE1004	Electrical Power Systems	--	-	CCD:	--	-	CCD:	--	-	CCD:
					LDR:			LDR:			LDR:
5	U18MEE1005	Renewable Energy Systems	--	-	CCD:	--	-	CCD:	--	-	CCD:
					LDR:			LDR:			LDR:
6	U18MEE1006	Power System Analysis	Power System Analysis	3	CCD: 26.07.2021	--	-	CCD:	--	-	CCD:
					LDR: 02.08.2021			LDR:			LDR:
7	U18MEE1007	Power Systems Protection	Power System Protection	3	CCD: 26.07.2021	--	-	CCD:	--	-	CCD:
					LDR: 02.08.2021			LDR:			LDR:
8	U18MEE1008	Power	--	-	CCD:	--	-	CCD:	--	-	CCD:
					LDR:			LDR:			LDR:

		<b>Electronics</b>									
9	<b>U18MEE1009</b>	<b>Electric Vehicles</b>	--	-	CCD: LDR:	--	-	CCD: LDR:	--	-	CCD: LDR:
10	<b>U18MEE1010</b>	<b>Control Systems</b>	<i>Control Engineering</i>	3	CCD: 26.07.2021 LDR: 02.08.2021	--	-	CCD: LDR:	--	-	CCD: LDR:
11	<b>U18MEE1011</b>	<b>Electronic Devices and Circuits</b>	<i>Semiconductor Devices and Circuits</i>	3	CCD: 26.07.2021 LDR: 02.08.2021	--	-	CCD: LDR:	--	-	CCD: LDR:
12	<b>U18MEE1012</b>	<b>Electromagnetic Fields</b>	<i>Applied Electromagnetic For Engineers</i>	3	CCD: 26.07.2021 LDR: 02.08.2021	--	-	CCD: LDR:	--	-	CCD: LDR:
13	<b>U18MEE1013</b>	<b>Utilization of Electrical Engineering</b>	--	-	CCD: LDR:	--	-	CCD: LDR:	--	-	CCD: LDR:
14	<b>U18MEE1014</b>	<b>Electrical Machines-II</b>	--		CCD: LDR:	--		CCD: LDR:	--		CCD: LDR:
15	<b>U18MEE1015</b>	<b>Digital Electronics</b>	<i>Digital Circuits</i>	3	CCD: 26.07.2021 LDR: 02.08.2021	--		CCD: LDR:	--		CCD: LDR:
16	<b>U18MEE1016</b>	<b>Signals &amp; Systems</b>	--		CCD: LDR:	--		CCD: LDR:	--		CCD: LDR:
17	<b>U18MEE1017</b>	<b>Microprocessors</b>	--		CCD: LDR:	--		CCD: LDR:	--		CCD: LDR:
18	<b>U18MEE1018</b>	<b>Digital Signal Processors</b>	--		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

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

Date: 06.06.2021

Sd/-  
Dr. A. Rajasekhar  
MOOCs Coordinator

Sd/-  
Prof. C. Venkatesh  
Head of the Department

Dean, Academic Affairs