



KAKATIYA INSTITUTE OF TECHNOLOGY AND SCIENCE, WARANGAL

HONOURS IN ELECTRICAL & ELECTRONICSENGINEERING (HEE) - HONOURS CURRICULUM

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		
HONOURS ELECTIVE COURSES (any 6 to 9 courses to earn 18 credits)			Course Name	C	Course Dates*	Course Name	C	Course Dates*	Course Name	C	Course Dates*
1	U18HEE1001	Smart Grid	<i>Smart Grid: Basics to Advanced Technologies</i>	3	CCD: 20-01-2025	--	-	CCD:	--	-	CCD:
					LDR: 27-01-2025			LDR:			LDR:
2	U18HEE1002	Power Converters	<i>Design of Power Electronic converters</i>	2	CCD: 17.02.2025	--	-	CCD:	--	-	CCD:
					LDR: 17.02.2025			LDR:			LDR:
3	U18HEE1003	Power Systems Optimization	--	-	CCD:	--	-	CCD:	--	-	CCD:
					LDR:			LDR:			LDR:
4	U18HEE1004	Advances in Transmission & Distribution	--	-	CCD:	--	-	CCD:	--	-	CCD:
					LDR:			LDR:			LDR:
5	U18HEE1005	Power System Stability	--	-	CCD:	--	-	CCD:	--	-	CCD:
					LDR:			LDR:			LDR:
6	U18HEE1006	Custom Power Devices	--	-	CCD:	--	-	CCD:	--	-	CCD:
					LDR:			LDR:			LDR:
7	U18HEE1007	Power Quality	<i>Power Quality Improvement Technique</i>	2	CCD: 20-01-2025	--	-	CCD:	--	-	CCD:
					LDR: 27-01-2025			LDR:			LDR:
8	U18HEE1008	Advanced Control Theory	--	-	CCD:	--	-	CCD:	--	-	CCD:
					LDR:			LDR:			LDR:
9	U18HEE1009	Special Purpose Machines	--	-	CCD:	-	-	CCD:	--	-	CCD:
					LDR:			LDR:			LDR:

10	U18HEE1010	VLSI Design	Design and Analysis of VLSI subsystems	3	CCD: 20-01-2025	--	-	CCD:	--	-	CCD:
					LDR: 27-01-2025			LDR:			LDR:
11	U18HEE1011	SCADA	--	-	CCD:	--	-	CCD:	--	-	CCD:
					LDR:			LDR:			LDR:
12	U18HEE1012	Design of Photovoltaic Systems	--	-	CCD:	--	-	CCD:	--	-	CCD:
					LDR:			LDR:			LDR:
13	U18HEE1013	Control of Electric Drives	--	-	CCD:	--	-	CCD:	--	-	CCD:
					LDR:			LDR:			LDR:
14	U18HEE1014	Energy Auditing	--	-	CCD:	--	-	CCD:	--	-	CCD:
					LDR:			LDR:			LDR:
15	U18HEE1015	Artificial Intelligence	--	-	CCD:	--	-	CCD:	--	-	CCD:
					LDR:			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
- notify the list of equivalent courses in SWAYAM-NPTEL MOOCs / other standard MOOCs against the list of courses notified under Honours curriculum
 - 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 PARENT DEPARTMENT				
-	Honours Laboratory Courses	U18HEE1016	Power Converters Simulation Lab		2 credits	
16		U18HEE1017	Renewable Energy Systems Laboratory			
17		U18HEE1018	Power Systems Simulation Lab			
18		U18HEE1019	ECAD/Electrical Engineering Drawing Lab			
19		<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