



**KAKATIYA INSTITUTE OF TECHNOLOGY AND SCIENCE, WARANGAL**  
**DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING**

**HONOURS IN ELECTRICAL & ELECTRONICS ENGINEERING (HEE)**  
**- HONOURS CURRICULUM**

S.No	Course Type	Course Code	Course Name	Credits
-	Honours Elective Courses	Elective courses (any 6 to 9 courses)		
1		U18HEE1001	Smart Grid	15-16
2		U18HEE1002	Power Converters	
3		U18HEE1003	Power Systems Optimization	
4		U18HEE1004	Advances in Transmission & Distribution	
5		U18HEE1005	Power System Stability	
6		U18HEE1006	Custom Power Devices	
7		U18HEE1007	Power Quality	
8		U18HEE1008	Advanced Control Theory	
9		U18HEE1009	Special Purpose Machines	
10		U18HEE1010	VLSI Design	
11		U18HEE1011	SCADA	
12		U18HEE1012	Design of Photovoltaic Systems	
13		U18HEE1013	Control of Electric Drives	
14		U18HEE1014	Energy Auditing	
15	U18HEE1015	Artificial Intelligence		
<p>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 offer an alternative course(s) for the specific scenario, after verification of relevant documents.</p> <p>II. By the end of April of every academic year, the department in consultation with Dean-AA, shall</p> <p>A. notify the list of equivalent courses in SWAYAM-NPTEL MOOCs / other standard MOOCs against the list of courses notified under Honours curriculum</p> <p>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</p>				
-	Honours Laboratory Courses	Laboratory Courses ( any 2 courses )		
16		U18HEE1016	Power Converters Simulation Lab	2
17		U18HEE1017	Renewable Energy Systems Laboratory	
18		U18HEE1018	Power Systems Simulation Lab	
19	U18HEE1019	ECAD/Electrical Engineering Drawing Lab		
20	Honours Mini-project (optional)	U18HEE1020	Mini-project (optional)	2
Total Credits				18