



KAKATIYA INSTITUTE OF TECHNOLOGY AND SCIENCE, WARANGAL
HONORS IN ELECTRONICS & INSTRUMENTATION ENGINEERING (HEIE)
HONORS CURRICULUM
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		
			Course Name	C	Course Dates*	Course Name	C	Course Dates*	Course Name	C	Course Dates*
HONORS ELECTIVE COURSES											
1	U18HEI1001	Biomedical signal and Image Processing	<i>Introduction to Biomedical Imaging Systems by Prof. Arun K. Thittai, IITM (12 Weeks)</i>	3	CCD: 26.07.21 LDR: 15.10.21	--	-	CCD: LDR:	--	-	CCD: LDR:
2	U18HEI1002	Advanced Signal Processing	--	--	--	-	--	--	--	-	--
3	U18HEI1003	Advanced Image Processing and Applications	<i>Image Signal Processing by Prof. A.N. Rajagopalan IITM (12 Weeks)</i>	3	CCD: 26.07.2021 LDR: 15.10.2021	--	-	CCD: LDR:	--	-	CCD: LDR:
4	U18HEI1004	Verilog HDL for VLSI Design	<i>System Design Through VERILOG by Prof. Shaik Rafi Ahamed, IITG (8 Weeks)</i>	2	CCD: 26.07.2021 LDR: 15.10.2021	--	-	CCD: LDR:	--	-	CCD: LDR:
5	U18HEI1005	Digital VLSI Testing	--	-	--	--	-	--	--	-	--
6	U18HEI1006	Low power VLSI Design	--	-	--	-	-	--	--	-	--
7	U18HEI1007	Advanced Sensor	--	-	--	--	-	--	--	-	--

8	U18HEI1008	Robotics and Automation	--	-	--	-	--	-		
9	U18HEI1009	Advanced Instrumentation Systems	--	-	--	-	--	-		
10	U18HEI1010	Embedded Systems Design	--	-	--	-	--	-		
11	U18HEI1011	Advanced IoT	<i>Introduction to Internet of Things by Prof. Sudip Misra, IITKGP (12 Weeks)</i>	3	CCD: 26.07.2021	-	CCD:	--	-	CCD:
					LDR: 15.10.2021		LDR:			LDR:
12	U18HEI1012	Artificial Intelligence	<i>Artificial Intelligence Search Methods For Problem Solving by Prof. Deepak Khemani IITM (12 Weeks)</i>	3	CCD: 26.07.2021	-	CCD:	--	-	CCD:
					LDR: 15.10.2021		LDR:			LDR:
13	U18HEI1013	Machine Learning	<i>Introduction to Machine Learning by Prof. Balaraman Ravindran IIT Madras (12 Weeks)</i>	3	CCD: 26.07.2021	-	CCD:	--	-	CCD:
					LDR: 15.10.2021		LDR:			LDR:
14	U18HEI1014	Advanced Communications	---		--	-	--	-		
15	U18HEI1015	Fibre Optic Communication Techniques	<i>Fiber Optic Communication Technology by Prof. Deepa Venkitesh IITM (12 Weeks)</i>	3	CCD: 26.07.2021	-	CCD:	--	-	CCD:
					LDR: 15.10.2021		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
- 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

-	Honours Laboratory Courses	Laboratory Courses (any 2 courses) - TO BE TAKEN IN THE DEPARTMENT		
16		U18HEI1016	Advanced Instrumentation Lab	1 Credit per Lab Course
17		U18HEI1017	Advanced Signal Processing Lab	
18		U18HEI1018	Advanced VLSI Lab	
19		U18HEI1019	Embedded Applications Lab	

Date: 22-06-2021

Sd/-
Smt. R. Nirmala Devi
MOOCs Coordinator

Sd/-
Dr. M. Raghuram
Head of the Department

Dean, Academic Affairs