



KAKATIYA INSTITUTE OF TECHNOLOGY AND SCIENCE, WARANGAL
HONOURS IN COMPUTER SCIENCE AND ENGINEERING (HCS)
HONOURS 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		
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	U18HCS1001	Data Science	Scalable Data Science (8 weeks) noc21-cs59	2	CCD: July 26, 2021 to Sep 17,2021	--		CCD:	--		CCD:
					LDR: Aug 02, 2021			LDR:			LDR:
2	U18HCS1002	Reinforcement Learning	Reinforcement Learning (12 weeks) noc21-cs71	3	CCD: July 26, 2021. to Oct 15, 2021	--		CCD:	--		CCD:
					LDR: Aug 02, 2021			LDR:			LDR:
3	U18HCS1003	Applied Natural Language Processing	Applied Natural Language Processing (12 weeks) noc21-cs102	3	CCD: July 26, 2021. to Oct 15, 2021	--		CCD:	--		CCD:
					LDR: Aug 02, 2021			LDR:			LDR:
4	U18HCS1004	Deep Learning for Computer Vision	Deep learning (12 weeks) noc20-cs88	3	CCD: July 26, 2021. to Oct 15, 2021	--		CCD:	--		CCD:
					LDR: Aug 02,			LDR:			LDR:

					2021						
5	U18HCS1005	Object Oriented System Development	Object Oriented System Development using UML, Java, and Patterns (12 weeks) noc21-cs57	3	CCD: July 26, 2021 to Sep 17,2021	--		CCD:	--		CCD:
					LDR: Aug 02, 2021			LDR:			LDR:
6	U18HCS1006	Embedded Systems Design	-		CCD:	--		CCD:	--		CCD:
					LDR:			LDR:			LDR:
7	U18HCS1007	Soft Computing	-		CCD:	--		CCD:	--		CCD:
					LDR:			LDR:			LDR:
8	U18HCS1008	Privacy and Security issues in Cloud and Social Media	-		CCD:	--		CCD:	--		CCD:
					LDR:			LDR:			LDR:
9	U18HCS1009	Computational Geometry	-		CCD:	--		CCD:	--		CCD:
					LDR:			LDR:			LDR:
10	U18HCS1010	Software Defined Networking	-		CCD:	--		CCD:	--		CCD:
					LDR:-			LDR:			LDR:
11	U18HCS1011	Google Cloud Computing Foundations	-		CCD:	--		CCD:	--		CCD:
					LDR:			LDR:			LDR:
12	U18HCS1012	Parallel Programming in OpenMP	-		CCD:	--		CCD:	--		CCD:
					LDR:			LDR:			LDR:

13	U18HCS1013	Virtual Reality Technologies	-		CCD:	--		CCD:	--		CCD:
					LDR:			LDR:			LDR:
14	U18HCS1014	BlockChain Applications	-		CCD:	--		CCD:	--		CCD:
					LDR:			LDR:			LDR:
15	U18HCS1015	Apache Spark and Hadoop Technologies	-		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
- 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 PARENT DEPARTMENT			
16	Honours Laboratory Courses	U18HCS1016	Cloud Computing Laboratory	2 credits
17		U18HCS1017	Data Science with R-Tool Laboratory	
18		U18HCS1018	Machine Learning with Tensorflow Laboratory	
19		U18HCS1019	Image Processing with Python Laboratory	
			<i>Total Credits to be earned</i>	18+2

Date: 26.06.2021

Sd/-
Sri. N. C. Santosh Kumar
MOOCs Coordinator

Sd/-
Dr. V. Shankar
Head of the Department

Dean, Academic Affairs