KAKATIYA INSTITUTE OF TECHNOLOGY AND SCIENCE, WARANGAL
HONOURS IN **C**omputer **S**cience and **E**NGINEERING (**HCS**)
HONOURS CURRICULUM
EQUIVALENT MOOCs – ODD SEMESTER, JULY-DEC 2021, **AY 2021-22**

S.No	Course Code	Course Name	EQUIVALENT COURSES OFFERED BY								
	HONOURS ELECTIVE COURSES (*any 6 to 9 courses to earn 18 credits*)		SWAYAM-NPTEL			CISCO NetAcad / UDEMY			SPOKEN TUTORIAL - IITB		
			Course Name	C	Course Dates*	*Course Name*	C	Course Dates*	*Course Name*	C	Course Dates*
1	U18HCS001	Deep Learning	Deep Learning (12 weeks) noc21-cs76	3	CCD: July 26,2021 to Oct 15, 2021 / LDR: Aug 02,2021	--	-	CCD: / LDR:	--	-	CCD: / LDR:
2	U18HCS1002	Computer Vision	Computer Vision (12 weeks) noc21-cs101	3	CCD: July 26,2021 to Oct 15, 2021 / LDR: Aug 02,2021	--	-	CCD: / LDR:	--	-	CCD: / LDR:
3	U18HCS1003	GPU Architectures and programming	GPU Architectures and programming (12 weeks) noc21-cs46	3	CCD: Course commences in January / LDR:	--	-	CCD: / LDR:	--	-	CCD: / LDR:
4	U18HCS1004	NDG Linux Essentials		3	CCD: / LDR:	CISCO Networking Academy: NDG Linux Essentials (12 Weeks)	3	CCD: (Student can join at any instance) / LDR:	--	-	CCD: / LDR:
5	U18HCS1005	Networking Essentials		3	CCD:	CISCO Networking Academy: Networking Essentials	3	CCD: (Student can join at any instance)	--	-	CCD:

						(12 Weeks)					
					LDR:			LDR:			LDR:
6	U18HCS1006	Information security – Secure security engineering	Information Security (8 weeks) noc21-cs30	3	CCD: Course commences in January	--	-	CCD:	--	-	CCD:
					LDR:			LDR:			LDR:
7	U18HCS1007	Industrial IoT	Introduction to industry 4.0 and industrial IoT (12 weeks) noc21-cs20	3	CCD: Course commences in January	--	-	CCD:	--	-	CCD:
					LDR:			LDR:			LDR:
8	U18HCS1008	Social Networks	Social Networks (12 weeks) noc21-cs31	3	CCD: Course commences in January	--	-	CCD:	--	-	CCD:
					LDR:			LDR:			LDR:
9	U18HCS1009	Natural Language Processing	Natural Language Processing (12 weeks) noc21-cs102	3	CCD: July 26,2021 to Oct 15, 2021	--	-	CCD:	--	-	CCD:
					LDR: Aug 02, 2021			LDR:			LDR:
10	U18HCS1010	Introduction to Parallel Programming in OpenMP	Introduction to Parallel Programming in OpenMP (12 weeks) noc21-cs24	3	CCD: Course commences in January			CCD:	--	-	CCD:
					LDR:			LDR: -			LDR:
11	U18HCS1011	Privacy and security in	Privacy and security in online social media	2	CCD: Course commences in January	--	-	CCD:	--	-	CCD:

#	Course Code	Course Name			CCD/LDR			CCD/LDR			CCD/LDR
		online social media	(8-weeks) noc21-cs28		LDR:			LDR:			LDR:
12	U18HCS1012	Programming essentials in Python	---	-	CCD:	CISCO Networking Academy: Programming Essentials in Python (12 Weeks)	3	CCD: (Student can join at any instance)	--	-	CCD:
					LDR:			LDR:			LDR:
13	U18HCS1013	Secure Computation	Secure Computation (12 weeks) noc20-cs84	3	CCD: July 12, 2021			CCD: -	--	-	CCD:
					LDR: Aug 02, 2021			LDR: -			LDR:
14	U18HCS1014	Multi core computer architecture – Storage and Interconnects	Multi core computer architecture – Storage and Interconnects (8 weeks) noc20-cs84	2	CCD: July 26,2021 to Oct 15, 2021				--	-	CCD:
					LDR: Aug 02,2021						LDR:
15	U18HCS1015	BlockChain programming, Applications	--	-	CCD:	UDEMY: BlockChain programming (8-weeks)	2	CCD: Student can join at any instance	--	-	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: **C**redits ; **CCD**: **C**ourse **C**ommencement **D**ate; **LDR**: **L**ast **D**ate of **R**egistration

-		Laboratory Courses (any 2 courses) – TO BE TAKEN IN THE PARENT DEPARTMENT		
16	**Honours Laboratory Courses**	U18HCS1016	Web Hacking and Security Laboratory	**2 credits**
17		U18HCS1017	Ethical Hacking: Network Fundamentals & Network Layer Attacks Laboratory	
18		U18HCS1018	Penetration testing with KALI Laboratory	
19		U18HCS1019	DevOps: Development to Deployment Laboratory	
			Total Credits to be earned	**18**+**2**

Sd/-   Sd/-
N. C. Santosh Kumar   **Dr. V. Shankar**
Date: 30.06.2021   **MOOCs Coordinator**   **Head of the Department**   **Dean, Academic Affairs**