



KAKATIYA INSTITUTE OF TECHNOLOGY AND SCIENCE, WARANGAL
HONOURS IN COMPUTER SCIENCE AND ENGINEERING (HCS)

HONOURS CURRICULUM for URR-24 Regulation

EQUIVALENT MOOCs - ODD SEMESTER, JULY-DEC 2026, AY 2026-27

HONOURS ELECTIVE COURSES (any 6 to 9 courses to earn 18 credits)			EQUIVALENT COURSES OFFERED BY SWAYAM-NPTEL			
S.N o.	Course Code	Course Name	Course Name, Duration & Course Code	C*	Course Dates*	Course Enrollment Link
1	U24HCS1001	Programming, Data Structures and Algorithms using Python/Java	Programming, Data Structures and Algorithms using Python (8 Weeks) noc26-cs109	3	CCD: Jul 20, 2026 to Sep 11, 2026	https://onlinecourses.nptel.ac.in/e-learning/preview/noc26_cs109
					LDR: Jul 27, 2026	
			Data Structure and Algorithms using Java (12 weeks) noc26-cs162	4	CCD: Jul 20, 2026 to Oct 9, 2026	https://onlinecourses.nptel.ac.in/e-learning/preview/noc26_cs162
					LDR: Jul 27, 2026	
2	U24HCS1002	Introduction to Graph Algorithms	Introduction to Graph Algorithms (8 Weeks) noc26-cs108	3	CCD: Jul 20, 2026 to Sep 11, 2026	https://onlinecourses.nptel.ac.in/e-learning/preview/noc26_cs108
					LDR: Jul 27, 2026	
3	U24HCS1003	Practical Cyber Security for Cyber Security Practitioners	Cyber Security and Privacy (12 weeks) noc26-cs144	4	CCD: Jul 20, 2026 to Oct 9, 2026	https://onlinecourses.nptel.ac.in/e-learning/preview/noc26_cs144

					LDR: Jul 27, 2026	
4	U24HCS1004	Introduction to Industry 4.0 and Industrial Internet of Things	Introduction to Industry 4.0 and Industrial Internet of Things (12 weeks) noc26-cs160	4	CCD: Jul 20, 2026 to Oct 9, 2026 LDR: Jul 27, 2026	https://onlinecourses.nptel.ac.in/e-learning/preview/noc26_cs160
5	U24HCS1005	Design & Implementation of Human-Computer Interactive Interfaces	Design & Implementation of Human-Computer Interfaces (12 weeks) noc26-cs177	4	CCD: Jul 20, 2026 to Oct 9, 2026 LDR: Jul 27, 2026	https://onlinecourses.nptel.ac.in/e-learning/preview/noc26_cs177
6	U24HCS1006	Multi-Core Computer Architecture	Multi-Core Computer Architecture (12 Weeks) noc26-cs176	4	CCD: Jul 20, 2026 to Oct 9, 2026 LDR: Jul 27, 2026	https://onlinecourses.nptel.ac.in/e-learning/preview/noc26_cs176
7	U24HCS1007	Applied Accelerated Artificial Intelligence	Applied Accelerated Artificial Intelligence (12 Weeks) noc26-cs179	4	CCD: Jul 20, 2026 to Oct 9, 2026 LDR: Jul 27, 2026	https://onlinecourses.nptel.ac.in/e-learning/preview/noc26_cs179
8	U24HCS1008	Responsible & Safe AI Systems	Responsible & Safe AI Systems (12 Weeks) noc26-cs145	4	CCD: Jul 20, 2026 to Oct 9, 2026	https://onlinecourses.nptel.ac.in/e-learning/preview/noc26_cs145

					LDR: Jul 27, 2026	
9	U24HCS1009	Block chain and its Applications	COURSE NOT BEING OFFERED THIS SEMESTER			
10	U24HCS1010	Data Analytics with Python	COURSE NOT BEING OFFERED THIS SEMESTER			
11	U24HCS1011	Reinforcement Learning	Reinforcement Learning (12 Weeks) noc26-cs134	4	CCD: Jul 20, 2026 to Oct 9, 2026	https://onlinecourses.nptel.ac.in/e-learning/preview/noc26_cs134
					LDR: Jul 27, 2026	
12	U24HCS1012	Deep Learning for Computer Vision	Deep Learning - IIT Ropar (12 Weeks) noc26-cs138	4	CCD: Jul 20, 2026 to Oct 9, 2026	https://onlinecourses.nptel.ac.in/e-learning/preview/noc26_cs138
					LDR: Jul 27, 2026	
13	U24HCS1013	Introduction to Quantum Computing: Quantum Algorithms	COURSE NOT BEING OFFERED THIS SEMESTER			

*C: Credits CCD: Course Commencement Date; LDR: Last Date of Registration

-	Honours Laboratory Courses	Laboratory Courses (any 2 courses) - TO BE TAKEN IN THE PARENT DEPARTMENT			
14		U24HCS1014	Data Science Lab		2 credits
15		U24HCS1015	Artificial Neural Networks Lab		
16		U24HCS1016	MATLAB		
17		U24HCS1017	Cryptography and Network Security / Cyber Security Lab		
<i>Total Credits to be earned</i>					18+2

Date: _____ **MOOCs Coordinator** _____ **Head of the Department** _____ **Dean, Academic Affairs** _____