



KAKATIYA INSTITUTE OF TECHNOLOGY AND SCIENCE, WARANGAL
HONOURS IN COMPUTER SCIENCE AND ENGINEERING (HCS)
URR24 CSE HONOURS CURRICULUM
EQUIVALENT MOOCs - ODD SEMESTER, JULY-DEC 2025, AY 2025-26

HONOURS ELECTIVE COURSES <i>(any 6 to 9 courses to earn 18 credits)</i>			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	Data Structure and Algorithms using Java (12 weeks) noc25_cs148	4	CCD: July 21, 2025 to October 10, 2025 LDR: July 28, 2025	https://onlinecourses.nptel.ac.in/noc25_cs148/preview
			Programming, Data Structures and Algorithms using Python (8 weeks) noc25-cs89	3	CCD: July 21, 2025 to September 12, 2025 LDR: 28 Jul 2025	
			Introduction to Algebraic Graph Theory (8 weeks) noc25_cs85	3	CCD: August 18, 2025 to October 10, 2025 LDR: August 18, 2025	https://onlinecourses.nptel.ac.in/noc25_cs85/preview
			Introduction to Graph Algorithms (8 weeks) noc25_cs124	3	CCD: July 21, 2025 to September 12, 2025 LDR: July 28, 2025	
3	U24HCS1003	Practical Cyber Security for Cyber Security Practitioners	Practical Cyber Security for Cyber Security Practitioners (12 weeks) noc25-cs120	4	CCD: 21 Jul 2025 to October 10, 2025	https://onlinecourses.nptel.ac.in/noc25_cs120/preview

					LDR: July 28, 2025	
			Privacy and Security in Online Social Media (12 Weeks) noc25_cs117	4	CCD: July 21, 2025 to October 10, 2025 LDR: August 15, 2025	https://onlinecourses.nptel.ac.in/noc25_cs117/preview
4	U24HCS1004	Introduction to Industry 4.0 and Industrial Internet of Things	Introduction to Industry 4.0 and Industrial Internet of Things (12 weeks) noc25_cs146	4	CCD: July 21, 2025 to October 10, 2025 LDR: July 28, 2025	https://onlinecourses.nptel.ac.in/noc25_cs146/preview
			Introduction to Internet of Things (12 weeks) noc25_cs147	4	CCD: July 21, 2025 to October 10, 2025 LDR: July 28, 2025	https://onlinecourses.nptel.ac.in/noc25_cs147/preview
5	U24HCS1005	Design & Implementation of Human-Computer Interactive Interfaces	COURSE NOT BEING OFFERED THIS SEMESTER			
6	U24HCS1006	Multi-Core Computer Architecture	Multi-Core Computer Architecture (12 Weeks) noc25-cs134	4	CCD: July 21, 2025 to October 10, 2025 LDR: July 28, 2025	https://onlinecourses.nptel.ac.in/noc25_cs134/preview
7	U24HCS1007	Applied Accelerated Artificial Intelligence	Applied Accelerated Artificial Intelligence (12 Weeks) noc25_98	4	CCD: July 21, 2025 to October 10, 2025 LDR: July 28, 2025	https://onlinecourses.nptel.ac.in/noc25_cs98/preview
			Artificial Intelligence: Search Methods for Problem Solving (12 Weeks)	4	CCD: July 21, 2025 to October 10, 2025	https://onlinecourses.nptel.ac.in/noc25_cs88/preview

			noc25-cs88		LDR: July 28, 2025	
8	U24HCS1008	Responsible & Safe AI Systems	Responsible & Safe AI Systems (12 Weeks) noc25-cs118	4	CCD: July 21, 2025 to October 10, 2025 LDR: July 28, 2025	https://onlinecourses.nptel.ac.in/noc25_cs118/preview
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) noc25-cs92	4	CCD: July 21, 2025 to October 10, 2025 LDR: July 28, 2025	https://onlinecourses.nptel.ac.in/noc25_cs92/preview
12	U24HCS1012	Deep Learning for Computer Vision	Deep Learning for Computer Vision (12 Weeks) noc25-cs93	4	CCD: July 21, 2025 to October 10, 2025 LDR: July 28, 2025	https://onlinecourses.nptel.ac.in/noc25_cs93/preview
13	U24HCS1013	Introduction to Quantum Computing: Quantum Algorithms	Introduction to Quantum Computing: Quantum Algorithms and Qiskit (4 Weeks) noc25-cs95	2	CCD: July 21, 2025 to August 15, 2025 LDR: July 28, 2025	https://onlinecourses.nptel.ac.in/noc25_cs95/preview

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

-		Laboratory Courses (any 2 courses) - TO BE TAKEN IN THE PARENT DEPARTMENT		
14	Honours Laboratory Courses	U24HCS1014	Data Science Lab	2 credits
15		U24HCS1015	Artificial Neural Networks Lab	
16		U24HCS1016	MATLAB	
17		U24HCS1017	Cryptography and Network Security / Cyber Security Lab	
18	Honours Mini- project (optional)	U24HCS1018	Mini-project (optional)	2 credits
Total Credits to be earned				18

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