KAKATIYA INSTITUTE OF TECHNOLOGY AND SCIENCE, WARANGAL

HONOURS IN COMPUTER SCIENCE & ENGINEERING(NETWORKS)
(HCSN)
- HONOURS CURRICULUM

S.No	Course Type	Course Code	Course Name	Credits
-		Elective courses (any 5 to 6 courses)		
1		U18HCN1001	Deep Learning	
2		U18HCN1002	Advanced Computer Networks	
3		U18HCN1003	Advanced Distributed Systems	
4		U18HCN1004	Reinforcement Learning	
5		U18HCN1005	GPU Architectures And Programming	
6	Honours Elective Courses	U18HCN1006	Demystifying Networking	
7		U18HCN1007	Blockchain and its Applications	15-16
8		U18HCN1008	Social Networks	
9		U18HCN1009	Natural Language Processing	
10		U18HCN1010	Programming with Generative AI	
11		U18HCN1011	Privacy and Security in Online Social Media	
12		U18HCN1012	Programming Essentials in Python	
13		U18HCN1013	Secure Computation	
14		U18HCN1014	Big Data Computing	
15		U18HCN1015	Responsible & Safe AI Systems	

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 offer 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 Honour curriculum, in case no equivalent course is found in MOOCs

S.No	Course Type	Course Code	Course Name	Credits
-		Laboratory Courses (any 2 courses)		
16	Honours Laboratory Courses	U18HCN1016	Programming, Data Structures and Algorithms using Python	
17		U18HCN1017	Ethical Hacking (Network Fundamentals & Network Layer Attacks) Laboratory	2
18		U18HCN1018	Penetration Testing with KALI Laboratory	
19		U18HCN1019	DevOps: Development to Deployment Laboratory	
20	Honours Mini-project (Optional)	U18HCN1020	Mini-project (Optional)	2
			Total Credits	**18**

Head of the Department