



KAKATIYA INSTITUTE OF TECHNOLOGY AND SCIENCE, WARANGAL
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING (N)
HONOURS CURRICULUM

HONOURS IN COMPUTER SCIENCE AND ENGINEERING (NETWORKS) (HCSN)
HONOURS CURRICULUM

S.No	Course Type	Course Code	Course Name	Credits
-	Honours Elective Courses	Elective courses (any 6 to 9 courses)		
1		U18HCN1001	Deep Learning	18
2		U18HCN1002	Computer Vision	
3		U18HCN1003	GPU Architectures and Programming	
4		U18HCN1004	NDG Linux Essentials	
5		U18HCN1005	Networking Essentials	
6		U18HCN1006	Information Security – Secure Systems Engineering	
7		U18HCN1007	Industrial IoT	
8		U18HCN1008	Social Networks	
9		U18HCN1009	Natural Language Processing	
10		U18HCN1010	Parallel Programming in OpenMP	
11		U18HCN1011	Privacy and Security in online social media	
12		U18HCN1012	Programming Essentials in Python	
13		U18HCN1013	Secure Computation	
14		U18HCN1014	Mutli core computer architecture – Storage and Interconnects	
15	U18HCN1015	Block chain programming, applications		
<p>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.</p> <p>II. By the end of April of every academic year, the department in consultation with Dean-AA, shall</p> <p>A. notify the list of equivalent courses in SWAYAM-NPTEL MOOCs / other standard MOOCs (CISCO NetAcad / UDEMY) against the courses listed under Honours curriculum</p> <p>B. propose a new course(s) in the place of any course(s) listed under Honours curriculum, in case no equivalent course is found in MOOCs</p>				
-	Honours Laboratory Courses	Laboratory Courses (any 2 courses)		
16		U18HCN1016	Web Hacking and Security Laboratory	2
17		U18HCN1017	Ethical Hacking (Network Fundamentals & Network Layer Attacks) Laboratory	
18		U18HCN1018	Penetration Testing with KALI Laboratory	
19		U18HCN1019	DevOps: Development to Deployment Laboratory	
Total Credits				20