KAKATIYA INSTITUTE OF TECHNOLOGY AND SCIENCE, WARANGAL

HONOURS IN INFORMATION TECHNOLOGY (HIT)
- HONOURS CURRICULUM

S.No	Course Type	Course Code	Course Name	Credits
-		Elective courses (any 5 to 6 courses)		
1	Honours Elective Courses	U18HIT1001	Scalable Data Science	15-16
2		U18HIT1002	Deep Learning	
3		U18HIT1003	Introduction to Industry 4.0 and Industrial Internet of Things	
4		U18HIT1004	Reinforcement Learning	
5		U18HIT1005	Applied Natural Language Processing	
6		U18HIT1006	Google Cloud Computing Foundations	
7		U18HIT1007	Introduction To Haskell Programming	
8		U18HIT1008	Practical Machine Learning with Tensor flow	
9		U18HIT1009	Social Networks	
10		U18HIT1010	Introduction To Soft Computing	
11		U18HIT1011	Privacy and Security in Online Social Media	
12		U18HIT1012	Information Security - 5 - Secure Systems Engineering	
13		U18HIT1013	Introduction to Parallel Programming in OpenMP	
14		U18HIT1014	Computational Geometry	
15		U18HIT1015	Evolutionary Algorithms for Optimization	

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

		Course Code	Course Name	Credits
		Laboratory Courses (any 2 courses)		
16	Honours Laboratory Courses	U18HIT1016	Robotic Process Automation Lab	2
17		U18HIT1017	Cryptography & Network Security Lab/Network Simulation Lab	
18		U18HIT1018	MATLAB	
19		U18HIT1019	DevOps Lab	
20	Honours Mini-project (optional)	U18HIT1020	Mini-project (optional)	2
			Total Credits	**18**