



KAKATIYA INSTITUTE OF TECHNOLOGY AND SCIENCE, WARANGAL
DEPARTMENT OF INFORMATION TECHNOLOGY
HONOURS CURRICULUM

HONOURS IN INFORMATION TECHNOLOGY (HIT)
HONOURS CURRICULUM

S.No	Course Type	Course Code	Course Name	Total Credits
-		Elective courses (any 6 to 9 courses)		
1	Honours Elective Courses	U18HIT1001	Data Science	18
2		U18HIT1002	Deep Learning	
3		U18HIT1003	Industry 4.0 and Industrial Internet of Things	
4		U18HIT1004	Reinforcement Learning	
5		U18HIT1005	Natural Language Processing	
6		U18HIT1006	Google Cloud Computing	
7		U18HIT1007	Haskell Pogramming	
8		U18HIT1008	Machine Learning with Tensorflow	
9		U18HIT1009	Social Networks	
10		U18HIT1010	Soft Computing	
11		U18HIT1011	Privacy and Security in Online Social Media	
12		U18HIT1012	Secure Systems Engineering	
13		U18HIT1013	Parallel Programming in OpenMP	
14		U18HIT1014	Computational Geometry	
15		U18HIT1015	Evolutionary Algorithms for Optimization	
		<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> <ol style="list-style-type: none"> 1. notify the list of equivalent courses in SWAYAM-NPTEL MOOCs / other standard MOOCs against the courses listed under Honours curriculum 2. 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 		
-		Laboratory Courses (any 2 courses)		Total Credits
16	Honours Laboratory Courses	U18HIT1016	Robotic Process Automation Lab	2
17		U18HIT1017	Network Simulation Lab	
18		U18HIT1018	MATLAB	
19		U18HIT1019	DevOps Lab	
Total Credits				20