



KAKATIYA INSTITUTE OF TECHNOLOGY AND SCIENCE, WARANGAL
DEPARTMENT OF CIVIL ENGINEERING
HONOURS CURRICULUM

HONOURS IN CIVIL ENGINEERING (HCE)
HONOURS CURRICULUM

S.No	Course Type	Course Code	Course Name	Credits	
-	Honours Elective Courses	Elective courses (any 6 to 9 courses)			18
1		U18HCE1001	Artificial intelligence (AI)		
2		U18HCE1002	Introduction to Engineering seismology		
3		U18HCE1003	Theory of Elasticity		
4		U18HCE1004	Integrated waste Management for a Smart City		
5		U18HCE1005	Structural Dynamics		
6		U18HCE1006	Soil Structure Interaction		
7		U18HCE1007	Higher Surveying		
8		U18HCE1008	Mechanical Characterization of Bituminous Materials		
9		U18HCE1009	Probability methods in Civil Engineering		
10		U18HCE1010	Sustainable Materials and Green Buildings		
11		U18HCE1011	Environmental Geomechanics		
12		U18HCE1012	Repair and Rehabilitation of Structures		
13		U18HCE1013	Infrastructure planning and management		
14		U18HCE1014	Advanced surveying		
15	U18HCE1015	Digital land surveying & Mapping			

- 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.
- 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 courses listed under Honours curriculum
 - 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

-	Honours Laboratory Courses	Laboratory Courses (any 2 courses)		
16		U18HCE1016	Structural Engineering software applications laboratory	2
17		U18HCE1017	Project Management and Geomatics Laboratory	
18		U18HCE1018	Structural Engineering laboratory	
19		U18HCE1019	Applied Civil Engineering software Laboratory	
			Total Credits	20