



**KAKATIYA INSTITUTE OF TECHNOLOGY AND SCIENCE, WARANGAL**  
**HONOURS IN CIVIL ENGINEERING (HCE) - HONOURS CURRICULUM**  
**EQUIVALENT MOOCs - ODD SEMESTER, JUL -DEC 2022, AY 2022-23**

S. No	Course Code	Course Name	EQUIVALENT COURSES OFFERED BY								
			SWAYAM-NPTEL			COURSERA / UDEMY			SPOKEN TUTORIAL - IITB		
			Course Name	C	Course Dates*	Course Name	C	Course Dates*	Course Name	C	Course Dates*
	<b>HONOURS ELECTIVE COURSES</b> <i>(any 6 to 9 courses to earn 18 credits)</i>										
1	U18HCE1001	<b>Artificial Intelligence (AI)</b>	<i>Fundamentals of Artificial Intelligence</i>	3	CCD: 25 <sup>th</sup> July 2022 LDR: 1 <sup>st</sup> Aug 2022	--	-	CCD: LDR:	--	--	CCD: LDR:
2	U18HCE1002	<b>Introduction to Engineering seismology</b>	<i>Introduction to Engineering seismology</i>	3	CCD: 25 <sup>th</sup> July 2022 LDR: 1 <sup>st</sup> Aug 2022	--	-	CCD: LDR:	--	-	CCD: LDR:
3	U18HCE1003	<b>Theory of Elasticity</b>	<i>Theory of Elasticity</i>	3	CCD: 25 <sup>th</sup> July 2022 LDR: 1 <sup>st</sup> Aug 2022	--	-	CCD: LDR:	--	-	CCD: LDR:
4	U18HCE1004	<b>Integrated waste management for a Smart City</b>	<i>Integrated waste management for a Smart City</i>	3	CCD: 25 <sup>th</sup> July 2022 LDR: 1 <sup>st</sup> Aug 2022	--	-	CCD: LDR:	--	-	CCD: LDR:

5	U18HCE1005	<b>Structural Dynamics</b>	<i>Dynamics of structures</i>	3	CCD: 24 <sup>th</sup> Jan 2022	--	-	CCD:	--	-	CCD:
					LDR: 31 <sup>st</sup> Jan 2022			LDR:			LDR:
6	U18HCE1006	<b>Soil structure interaction</b>			CCD:	--	-	CCD:	--	-	CCD:
					LDR:			LDR:			LDR:
7	U18HCE1007	<b>Higher Surveying</b>			CCD:	--	-	CCD:	--	-	CCD:
					LDR:			LDR:			LDR:
8	U18HCE1008	<b>Mechanical Characterization of Bituminous Material</b>			CCD:	--	-	CCD:	--	-	CCD:
					LDR:			LDR:			LDR:
9	U18HCE1009	<b>Probability methods in Civil Engineering</b>			CCD:	-	-	CCD:	--	-	CCD:
					LDR:			LDR:			LDR:
10	U18HCE1010	<b>Sustainable Materials and green buildings</b>			CCD:	--	-	CCD:	--	-	CCD:
					LDR:			LDR:			LDR:
11	U18HCE1011	<b>Environmental Geomechanics</b>	<i>Environmental Geomechanics</i>	3	CCD:	--	-	CCD:	--	-	CCD:
					LDR:			LDR:			LDR:
12	U18HCE1012	<b>Repair and Rehabilitation of Structures</b>			CCD:	--	-	CCD:	--	-	CCD:
					LDR:			LDR:			LDR:
13	U18HCE1013	<b>Infrastructure planning and management</b>			CCD:	--	-	CCD:	--	-	CCD:
					LDR:			LDR:			LDR:
14	U18HCE1014	<b>Advanced surveying</b>	<i>Remote sensing and GIS</i>	2	CCD: 25 <sup>th</sup> July 2022	--	-	CCD:	--	-	CCD:
					LDR: 1 <sup>st</sup> Aug 2022			LDR:			LDR:

15	U18HCE1015	<b>Digital land surveying and mapping</b>			CCD:	--	-	CCD:	--	-	CCD:
					LDR:			LDR:			LDR:
<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 against the list of courses notified under Honours curriculum</p> <p>B. propose a new course(s) in the place of any listed course(s) in the Honours curriculum, in case no equivalent course is found in MOOCs</p>											

\*C: Credits ; CCD: Course Commencement Date; LDR: Last Date of Registration

-	<b>Honours Laboratory Courses</b>	<b>Laboratory Courses (any 2 courses) - TO BE TAKEN IN THE PARENT DEPARTMENT</b>		
16		U18HCE1016	Structural Engineering software applications laboratory	<b>2 credits</b>
17		U18HCE1017	Project Management and Geomatics Laboratory	
18		U18HCE1018	Structural Engineering laboratory	
19		U18HCE1019	Applied Civil Engineering Software Laboratory	
			<i>Total Credits to be earned</i>	<b>18+2</b>

Sd/-

Ms. K. Manasa

Honours & Minor Coordinator

Date: 16/06/2022

Sd/-

Prof. M. Srikanth

Head of the Department

Dean, Academic Affairs