



KAKATIYA INSTITUTE OF TECHNOLOGY AND SCIENCE, WARANGAL
HONOURS IN CIVIL ENGINEERING (HCE) - HONOURS CURRICULUM
EQUIVALENT MOOCs - ODD SEMESTER, JUL -DEC 2021, AY 2021-22

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*
	HONOURS ELECTIVE COURSES (any 6 to 9 courses to earn 18 credits)										
1	U18HCE1001	Artificial Intelligence (AI)	<i>Fundamentals of Artificial Intelligence</i>	3	CCD: 26 th July 2021 LDR: 2 nd Aug 2021	--	-	CCD: LDR:	--	--	CCD: LDR:
2	U18HCE1002	Introduction to Engineering seismology	<i>Introduction to Engineering seismology</i>	3	CCD: 26 th July 2021 LDR: 2 nd Aug 2021	--	-	CCD: LDR:	--	-	CCD: LDR:
3	U18HCE1003	Theory of Elasticity	<i>Theory of Elasticity</i>	3	CCD: 26 th July 2021 LDR: 2 nd Aug 2021	--	-	CCD: LDR:	--	-	CCD: LDR:
4	U18HCE1004	Integrated waste management for a Smart City	<i>Integrated waste management for a Smart City</i>	3	CCD: 26 th July 2021 LDR: 2 nd Aug 2021	--	-	CCD: LDR:	--	-	CCD: LDR:

5	U18HCE1005	Structural Dynamics	<i>Dynamics of structures</i>	3	CCD: 26 th July 2021	--	-	CCD:	--	-	CCD:
					LDR: 2 nd Aug 2021			LDR:			LDR:
6	U18HCE1006	Soil structure interaction			CCD:	--	-	CCD:	--	-	CCD:
					LDR:			LDR:			LDR:
7	U18HCE1007	Higher Surveying				--	-	CCD:	--	-	CCD:
								LDR:			LDR:
8	U18HCE1008	Mechanical Characterization of Bituminous Material			CCD:	--	-	CCD:	--	-	CCD:
					LDR:			LDR:			LDR:
9	U18HCE1009	Probability methods in Civil Engineering			CCD:	-	-	CCD:	--	-	CCD:
					LDR:			LDR:			LDR:
10	U18HCE1010	Sustainable Materials and green buildings	<i>Sustainable Engineering Concepts and Life Cycle Analysis</i>	2	CCD: 26 th July 2021	--	-	CCD:	--	-	CCD:
					LDR: 2 nd Aug 2021			LDR:			LDR:
11	U18HCE1011	Environmental Geomechanics	<i>Environmental Geomechanics</i>	3	CCD: 26 th July 2021	--	-	CCD:	--	-	CCD:
					LDR: 2 nd Aug 2021			LDR:			LDR:
12	U18HCE1012	Repair and Rehabilitation of Structures			CCD:	--	-	CCD:	--	-	CCD:
					LDR:			LDR:			LDR:
13	U18HCE1013	Infrastructure planning and management	<i>Infrastructure planning and management</i>	3	CCD: 26 th July 2021	--	-	CCD:	--	-	CCD:

					LDR: 2 nd Aug 2021			LDR:			LDR:
14	U18HCE1014	Advanced surveying	<i>Remote sensing and GIS</i>	2	CCD: 26 th July 2021	--	-	CCD:	--	-	CCD:
					LDR: 2 nd Aug 2021			LDR:			LDR:
15	U18HCE1015	Digital land surveying and mapping			CCD:	--	-	CCD:	--	-	CCD:
					LDR:			LDR:			LDR:

- 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
- notify the list of equivalent courses in SWAYAM-NPTEL MOOCs / other standard MOOCs against the list of courses notified under Honours curriculum
 - 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

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

-	Honours Laboratory Courses	Laboratory Courses (any 2 courses) - TO BE TAKEN IN THE PARENT DEPARTMENT			
16		U18HCE1016	Structural Engineering software applications laboratory		2 credits
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>				18+2	

Sd/-

Ms. K. Manasa

Honours & Minor Coordinator

Date: 26/05/2021

Sd/-

Prof. M. Veera Reddy

Head of the Department

Dean, Academic Affairs