



KAKATIYA INSTITUTE OF TECHNOLOGY AND SCIENCE, WARANGAL
HONOURS IN CIVIL ENGINEERING (HCE) - HONOURS CURRICULUM
EQUIVALENT MOOCs - ODD SEMESTER, June - December 2023, AY 2023-24

S.No	Course Code	Course Name	EQUIVALENT COURSES OFFERED BY								
	HONOURS ELECTIVE COURSES (any 6 to 9 courses to earn 18 credits)	SWAYAM-NPTEL			COURSERA / UDEMY			SPOKEN TUTORIAL - IITB			
		Course Name	C	Course Dates*	Course Name	C	Course Dates*	Course Name	C	Course Dates*	
1	U18HCE1001	Artificial Intelligence (AI)	Artificial Intelligence: Search Methods For Problem Solving	3	CCD: 24 th July 2023 LDR: 31 st July 2023	--	-	CCD: LDR:	--	--	CCD: LDR:
2	U18HCE1002	Introduction to Engineering Seismology	Introduction To Engineering Seismology	3	CCD: 24 th July 2023 LDR: 31 st July 2023	--	-	CCD: LDR:	--	-	CCD: LDR:
3	U18HCE1003	Theory of Elasticity			CCD: LDR:	--		CCD: LDR:	--	-	CCD: LDR:
4	U18HCE1004	Integrated waste management for a Smart City	Integrated Waste Management for A Smart City	3	CCD: 24 th July 2023 LDR: 31 st July 2023	--	-	CCD: LDR:	--	-	CCD: LDR:
5	U18HCE1005	Structural Dynamics	Dynamics Of Structures	3	CCD: 24 th July 2023 LDR: 31 st July 2023	--	-	CCD: LDR:	--	-	CCD: LDR:
6	U18HCE1006				CCD:	--	-	CCD:	--	-	CCD:

		Soil structure interaction			LDR:			LDR:			LDR:
7	U18HCE1007	Higher Surveying			CCD:	--	-	CCD:	--	-	CCD:
					LDR:			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: 24 th July 2023	--	-	CCD:	--	-	CCD:
					LDR: 31 st July 2023			LDR:			LDR:
11	U18HCE1011	Environmental Geomechanics	<i>Environmental Geomechanics</i>	3	CCD: 24 th July 2023	--	-	CCD:	--	-	CCD:
					LDR: 31 st July 2023			LDR:			LDR:
12	U18HCE1012	Repair and Rehabilitation of Structures			CCD:	--	-	CCD:	--	-	CCD:
					LDR:			LDR:			LDR:
13	U18HCE1013	Infrastructure planning and management			CCD:	--	-	CCD:	--	-	CCD:
					LDR:			LDR:			LDR:
14	U18HCE1014	Advanced surveying	Remote Sensing And GIS	2	CCD: 24 th July 2023	--	-	CCD:	--	-	CCD:
					LDR: 31 st July 2023			LDR:			LDR:

15	U18HCE1015	Digital land surveying and mapping			CCD:	--	-	CCD:	--	-	CCD:
					LDR:			LDR:			LDR:
<div><div>I.</div><div>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.</div><div>II.</div><div><div>By the end of April of every academic year, the department in consultation with Dean-AA, shall</div><div><div>A.</div><div>notify the list of equivalent courses in SWAYAM-NPTEL MOOCs / other standard MOOCs against the list of courses notified under Honours curriculum</div><div>B.</div><div>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</div></div></div></div>											

*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

Date: 09/06/2023	Ms. K. Manasa Honours & Minor Coordinator	Prof. M. Srikanth Head of the Department	Dean, Academic Affairs
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