



KAKATIYA INSTITUTE OF TECHNOLOGY AND SCIENCE, WARANGAL
HONOURS IN CIVIL ENGINEERING (HCE)
HONOURS CURRICULUM

EQUIVALENT MOOCs – ODD SEMESTER, JULY-DEC 2025, AY 2025-26

HONOUR SELECTIVE COURSES (any 5 to 6 courses to earn 16 credits)			EQUIVALENT COURSES OFFERED BY SWAYAM-NPTEL			
S. No.	Course Code	Course Name	Course Name, Duration & Course Code	C*	Course Dates*	Course Enrollment Link
1	U18HCE001	Mechanics of Materials	noc25-ce94 Mechanics of Materials 12-Weeks	3	CCD: July 21, 2025 To October 10, 2025 LDR: July 28, 2025	https://onlinecourses.nptel.ac.in/noc25_ce94/preview
2	U18HCE1002	Hydraulics Engineering	noc25-ce107 Fluid mechanics 12 weeks	3	CCD: July 21, 2025 To October 10, 2025 LDR: July 28, 2025	https://onlinecourses.nptel.ac.in/noc25_ce107/preview
3	U18HCE1003	Theory of Elasticity	noc25-ce76 Finite Element Method and Computational Structural Dynamics 12 Weeks	3	CCD: July 21, 2025 To October 10, 2025 LDR: July 28, 2025	https://onlinecourses.nptel.ac.in/noc25_ce76/preview
4	U18HCE1004	Design of Reinforced Concrete Structures	noc25-ce123 Design of Reinforced Concrete Structures 12 weeks	3	CCD: July 21, 2025 To October 10, 2025 LDR: July 28, 2025	https://onlinecourses.nptel.ac.in/noc25_ce123/preview

5	U18HCE1005	EngineeringGeology	noc25-ce98 Structural Geology 12 weeks	3	CCD:July21,2025 ToOctober10,2025	https://onlinecourses.nptel.ac.in/noc25_ce98/preview
					LDR:July28,2025	
6	U18HCE1006	Construction managementand equipment	noc25-ce95 Principles of Construction Management 8 Weeks	2	CCD:July21,2025 ToSeptember12,2025	https://onlinecourses.nptel.ac.in/noc25_ce95/preview
					LDR:Aug15,2025	
7	U18HCE1007	Hydrologyandwater resourcesengineering	noc25-ce86 Remote Sensing: Principles and Applications 12 weeks		CCD:July21,2025 ToSeptember12,2025	https://onlinecourses.nptel.ac.in/noc25_ce86/preview
					LDR:Aug15,2025	
8	U18HCE1008	Ground improvement techniques	noc25-ce115 Ground Improvement 12 weeks	3	CCD:July21,2025 ToOctober10,2025	https://onlinecourses.nptel.ac.in/noc25_ce115/preview
					LDR:Aug15,2025	
9	U18HCE1009	Advanced Environmental Engineering	noc25-ce78 Environmental Chemistry 12 weeks	3	CCD:July21,2025 ToOctober10,2025	https://onlinecourses.nptel.ac.in/noc25_ce78/preview
					LDR:Aug15,2025	
10	U18HCE1010	Sustainable materialsandgreen buildings	noc25-ce117 SustainableEngineeringConceptsand Life Cycle Analysis 12weeks	3	CCD:July21,2025 ToOctober10,2025	https://onlinecourses.nptel.ac.in/noc25_ce117/preview
					LDR:Aug15,2025	

- I. Inexigency 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 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:CourseCommencementDate;LDR:LastDateofRegistration

-	Honours Laboratory Courses	Laboratory Courses (any 2 courses) – TO BE TAKEN IN THE PARENT DEPARTMENT		
11		U18HCE1011	Structural Engineering software applications laboratory	2 credits
12		U18HCE1012	Project Management and Geomatics Laboratory	
13		U18HCE1013	Structural Engineering laboratory	
14		U18HCE1014	Applied Civil Engineering Software Laboratory	
14	Mini Project	U18HCE1015	Mini-project-CORE (optional)	2 credits
			Total credits: 16+2=	18

Date: 05.07.2025

Head of the Department