



**HONOURS IN CIVIL ENGINEERING (HCE)
-HONOURS CURRICULUM**

S.No	Course Type	CourseCode	Course Name	Credits
-	Honours Elective Courses	Electivecourses(any 5to6courses)		
1		U18HCE1001	Mechanics of Materials	15-16
2		U18HCE1002	Hydraulics Engineering	
3		U18HCE1003	TheoryofElasticity	
4		U18HCE1004	Design of Reinforced Concrete Structures	
5		U18HCE1005	Engineering Geology	
6		U18HCE1006	Construction management and equipment	
7		U18HCE1007	Hydrology and water resources engineering	
8		U18HCE1008	Ground improvement techniques	
9		U18HCE1009	Advanced Environmental Engineering	
10		U18HCE1010	Sustainable materials and green buildings	
<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 validMOOCs etc, the HoD in consultation with Dean-AA shall offer an alternative course(s) for the specific scenario, after verification of relevant documents.</p> <p>II. BytheendofAprilofoveryacademicyear,thedepartmentinconsultationwith Dean-AA, shall</p> <p>A. notifythelistofequivalentcoursesinSWAYAM-NPTELMOOCs/other standardMOOCsagainstthelistofcoursesnotifiedunder Honourscurriculum</p> <p>B. proposeanewcourse(s)intheplaceofanylistedcourse(s)intheHonour curriculum, in case no equivalent course is found in MOOCs</p>				
-	Honours Laboratory Courses	LaboratoryCourses(any2courses)		
11		U18HCE1011	StructuralEngineeringsoftware applicationslaboratory	2
12		U18HCE1012	ProjectManagementand GeomaticsLaboratory	
13		U18HCE1013	StructuralEngineeringlaboratory	
14		U18HCE1014	AppliedCivilEngineering softwareLaboratory	
15	Honours Mini-project (Optional)	U18HCE1015	Mini-project (Optional)	2
Total Credits				18

Date: 05.07.2025

Head of the Department