



**KAKATIYA INSTITUTE OF TECHNOLOGY AND SCIENCE,
WARANGAL**

**DEPARTMENT OF CIVIL ENGINEERING
MINOR CURRICULUM**

**MINOR IN CIVIL ENGINEERING (MCE)
MINOR CURRICULUM**

S.No	Course Type	Course Code	Course Name	Credits
1	Minor Compulsory Courses	U18MCE1001	Strength of Materials	18
2		U18MCE1002	Soil Mechanics	
3		U18MCE1003	Environmental Engineering	
		Elective courses (any 3 to 6 courses)		
4	Minor Elective Courses	U18MCE1004	Structural Analysis-1	
5		U18MCE1005	Design of Reinforced Concrete Structures	
6		U18MCE1006	Advanced Concrete Technology	
7		U18MCE1007	Foundation Engineering	
8		U18MCE1008	Design of Steel Structures	
9		U18MCE1009	Fluid Mechanics	
10		U18MCE1010	Construction Planning and Management	
11		U18MCE1011	Advanced Surveying	
12		U18MCE1012	Engineering Geology	
13		U18MCE1013	Sustainable Materials and Green Buildings	
14		U18MCE1014	Concrete Materials	
15		U18MCE1015	Surveying	
16		U18MCE1016	Fluid Mechanics and Hydraulic Machines	
17		U18MCE1017	Earthquake Engineering	
18		U18MCE1018	Repair and Rehabilitation of Structures	

- I. In exigency situations such as the student already completed the listed compulsory courses(s) or elective course(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
 1. notify the list of equivalent courses in SWAYAM-NPTEL MOOCs / other standard MOOCs against the courses listed under Minor curriculum

2. propose a new course(s) in the place of any course(s) listed under Minor curriculum, in case no equivalent course is found in MOOCs

Laboratory Courses (any 2 courses)				
-	Minor Laboratory Courses	U18MCE1019	Civil Engineering Material Testing Laboratory	2
19		U18MCE1020	Surveying Field Work Laboratory	
20		U18MCE1021	Building Planning and Drawing Laboratory	
21		U18MCE1022	Hydraulic& Hydraulic Machinery Laboratory	
22				
Total Credits				20