



**5 Years Integrated B.Tech. & M. Tech. Curriculum and
Syllabus for Civil Engineering (CE)**

Seventh Semester

A. THEORY

Sl No.	Code Number	Subject	Contact Hours				Credit Point
			L	T	P	Total	
1	TIU-UCE-T401	Career Advancement & Skill Development #	3	0	0	3	3
2	TIU-UCE-T403	Environmental Engineering – I	3	0	0	3	3
3	TIU-UCE-T405	Foundation Engineering	3	0	0	3	3
4	TIU-UCE-T407	Water Resources Engineering – II	3	0	0	3	3
5	TIU-UCE-E4XY*	Elective – I	3	1	0	4	4
Total Theory			16				16

B. PRACTICAL

6	TIU-UCE-L401	Computer Application in Civil Engg. – II	0	0	3	3	2
7	TIU-UCE-L403	Environmental Engineering Lab	0	0	3	3	2
Total Practical			6				4

C. SESSIONAL

8	TIU-UCE-P499	Project – I	0	0	3	3	3
9	TIU-UCE-S499	Seminar	0	0	3	3	2
10	TIU-UES-S499	Entrepreneurship Skill Development	0	0	0	0	2
Total Sessional			6				7

Total of Semester

28

27

** X Y to be replaced by 29 /31/33/35 or any other number depending upon the subject offered in a particular year (Vide the List of Elective subjects for Elective -I)*



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List of Elective Subjects

Elective –I

TIU-UCE-E429 - Soil Stabilization and Ground Improvement
Techniques TIU-UCE-E431 - Structural Dynamics and Earthquake
Engineering
TIU-UCE-E433 - Traffic Engineering and Transportation
Planning TIU-UCE-E435 - Finite Element Analysis

List of Departmental Career Advancement & Skill Development (CASD) Subjects

7th Semester

TIU-UCE-T401 - CASD (Introduction to Finite Element Method)