



**4-Year Bachelor of Technology (B.Tech) Curriculum and
Syllabus for Civil Engineering with AI**

Fifth Semester

A. THEORY

Sl No.	Code Number	Subject	Contact Hours				Credit Point
			L	T	P	Total	
1	TIU-UCE-T301	Career Advancement & Skill Development: AI Applications in Traffic Management and Control	3	0	0	3	3
2	TIU-UCE-T303	Analysis of Structures – II	3	1	0	4	4
3	TIU-UCE-T305	Geotechnical Engineering – II	3	1	0	4	4
4	TIU-UCE-T307	Transportation Engineering – I	3	1	0	4	4
5	TIU-UCE-T309	Design of R.C.C. Structures	3	1	0	4	4
6	TIU-UCE-T311	Concrete Technology	3	0	0	3	3
Total Theory			22				22

B. PRACTICAL

7	TIU-UCE-L301	Soil Mechanics Lab	0	0	3	3	2
8	TIU-UCE-L303	Concrete Technology Lab – I	0	0	3	3	2
9	TIU-UCE-L305	Computer Application in Civil Engg. – I	0	0	2	2	1
Total Practical			8				5

C. SESSIONAL

10	TIU-UCE-S301	Design & Detailing of R. C. C. Structures	0	0	3	3	2
11	TIU-UES-S399	Entrepreneurship Skill Development	0	0	0	0	2
Total Sessional			3				4

Total of Semester

33 31