

NIRMA UNIVERSITY
INSTITUTE OF TECHNOLOGY
Proposed Teaching & Examination Scheme
B. Tech. Civil Engineering

Semester-VII

w. e. f. Academic Year 2025-26

Course Code	Course Title	Teaching Scheme (hours/week)				Examination Scheme			
		L	T	P	C	Duration Hours	Component Weightage		
						SEE	CE	LPW	SEE
	Professional Practice	3	0	2	4	3	0.3	0.3	0.4
	Research Methodology*	0	0	4	4	-	-	0.5	-
	Department Elective-III	3	1	0	4	3	0.6	-	0.4
		3	0	2			0.3	0.3	0.4
		2	1	2			0.3	0.3	0.4
	Department Elective-IV	3	1	0	4	3	0.6	-	0.4
		3	0	2			0.3	0.3	0.4
		2	1	2			0.3	0.3	0.4
	Elective Course-II under Minor	3	1	0	4	3	0.6	-	0.4
		3	0	2			0.3	0.3	0.4
		2	1	2			0.3	0.3	0.4
	Total	-	-	-	20	-	-	-	-

*The course will be spread over two semesters (semester 6 and semester 7). 4 credits will be awarded on successful completion of examination components at the end of semester 7.

w.e.f. for first year students admitted in 2022-23 and Diploma to Degree students admitted in 2023-24 onwards

Department Elective-III

Sr. No.	Course Code	Course Title	L	T	P	C
1.		Prestressed Concrete	3	1	0	4
2.		Earthquake Resistant Design of Structures	3	1	0	4
3.		Building Services	3	1	0	4
4.		Formwork Technologies	3	1	0	4
5.		Ground Improvement Techniques	3	0	2	4
6.		Pavement Engineering	3	1	0	4
7.		Air and Noise Pollution	3	1	0	4

Department Elective–IV

Sr. No.	Course Code	Course Title	L	T	P	C
1.		Advanced Design of Steel Structures	3	0	2	4
2.		Advanced Solid Mechanics	3	1	0	4
3.		Advances in Construction Management*	3	1	0	4
4.		Soil Exploration	2	1	2	4
5.		Infrastructure Management	3	1	0	4
6.		Urban Transportation Planning	3	1	0	4
7.		Hydraulic Structures	3	1	0	4

* Advances in Construction Management will not be offered to the students who have opted for Minor in Construction Technology and Management