

Scheme of Teaching

DIPLOMA IN CIVIL ENGINEERING FIRST SEMESTER

S. No.	Subject Name	Contact Hour				Credits
		L	T	P	Total	
1	Mathematics-I	2	1	0	3	3
2	Applied Physics-I	2	1	0	3	3
3	Applied Chemistry	2	1	0	3	3
4	Communication Skills in English	2	0	0	2	2
5	Engineering Graphics	0	0	3	3	1.5
6	Engineering Workshop Practice	0	0	3	3	1.5
7	Applied Physics-I Lab	0	0	2	2	1
8	Applied Chemistry Lab	0	0	2	2	1
9	Sports and Yoga	0	0	2	2	1
10	Communication Skills in English Lab	0	0	2	2	1
SUB TOTAL					25	18

SECOND SEMESTER

S. No.	Subject Name	Contact Hour				Credits
		L	T	P	Total	
1	Mathematics-II	3	1	0	4	4
2	Applied Physics-II	2	1	0	3	3
3	Introduction to IT Systems	2	0	0	2	2
4	Fundamentals of Electrical & Electronics Engineering	2	1	0	3	3
5	Engineering Mechanics	2	1	0	3	3
6	Applied Physics-II Lab	0	0	2	2	1
7	Introduction to IT Systems Lab	0	0	4	4	2
8	Fundamentals of Electrical & Electronics Engineering La	0	0	2	2	1
9	Engineering Mechanics Lab	0	0	2	2	1
10	Environmental Science	2	0	0	2	0
SUB TOTAL					27	20

THIRD SEMESTER

S. No.	Subject Name	Contact Hour				Credits
		L	T	P	Total	
1	Construction Material	3	0	0	3	3
2	Basic Surveying	2	0	0	2	2
3	Mechanics of Materials	2	0	0	2	2
4	Building Construction	2	0	0	2	2
5	Concrete Technology	2	0	0	2	2
6	Geotechnical Engineering	2	0	0	2	2
7	Construction Material Lab	0	0	2	2	1
8	Basic Surveying Lab	0	0	2	2	1
9	Mechanics of Materials Lab	0	0	2	2	1
10	Concrete Technology Lab	0	0	2	2	1
11	Geotechnical Engineering Lab	0	0	2	2	1
12	Summer Internship-I (4 weeks)	0	0	0	0	2
SUB TOTAL					23	20

FOURTH SEMESTER

S. No.	Subject Name	Contact Hour				Credits
		L	T	P	Total	
1	Hydraulics	2	0	0	2	2
2	Advanced Surveying	2	0	0	2	2
3	Theory of Structure	2	0	0	2	2
4	Building Planning and Drawing	1	0	0	1	1
5	Water Resource Engineering	2	0	0	2	2
6	Transportation Engineering	2	0	0	2	2
7	Hydraulics Lab	0	0	2	2	1
8	Advanced Surveying Lab	0	0	2	2	1
9	Building Planning and Drawing Lab	0	0	4	4	2
10	Water Resource Engineering Lab	0	0	2	2	1
11	Transportation Engineering Lab	0	0	2	2	1
12	Elective - I	3	0	0	3	3
13	Minor Project	0	0	4	4	2
14	Essence of Indian Knowledge and Tradition	2	0	0	2	0
SUB TOTAL					32	22

FIFTH SEMESTER

S. No.	Subject Name	Contact Hour				Credits
		L	T	P	Total	
1	Design of Steel and RCC structure	3	0	0	3	3
2	Estimating, Costing and valuation	2	0	0	2	2
3	Design of Steel and RCC structure Lab	0	0	2	2	1
4	Estimating, Costing and valuation Lab	0	0	2	2	1
5	Elective - II	3	0	0	3	3
6	Elective -III	3	0	0	3	3
7	Open Elective - I	3	0	0	3	3
8	Summer Internship-II (6 weeks)	0	0	0	0	3
9	Major Project - I	0	0	2	2	1
SUB TOTAL					20	20

SIXTH SEMESTER

S. No.	Subject Name	Contact Hour				Credits
		L	T	P	Total	
1	Public Health Engineering	2	0	0	2	2
2	Public Health Engineering Lab	0	0	2	2	1
3	Elective - IV	3	0	0	3	3
4	Entrepreneurship and Start-ups	3	1	0	4	4
5	Open Elective - II	3	0	0	3	3
6	Open Elective - III	3	0	0	3	3
7	Indian Constitution	2	0	0	2	0
8	Major Project - II	0	0	6	6	3
9	Seminar	1	0	0	1	1
SUB TOTAL					26	20

Total Credits for Diploma 120

Elective Courses						
S. No.	Subject Name	L	T	P	Total	Credits
Elective I (any one to be selected)						
1	Precast and Prestressed concrete	3	0	0	3	3
2	Construction Management	3	0	0	3	3
3	Rural Construction Technology	3	0	0	3	3
Elective II (any one to be selected)						
1	Traffic Engineering	3	0	0	3	3
2	Solid Waste Management	3	0	0	3	3
3	Advanced Construction Technology	3	0	0	3	3
Elective III (any one to be selected)						
1	Pavement Design & maintenance	3	0	0	3	3
2	Green Building and Energy Conservation	3	0	0	3	3
3	Building Services and Maintenance	3	0	0	3	3
Elective IV (any one to be selected)						
1	Repairs and Maintenance of Structures	3	0	0	3	3
2	Advanced Design of Structures	3	0	0	3	3
3	Tendering and Accounts	3	0	0	3	3