



SCHOOL OF ENGINEERING
SISTER NIVEDITA UNIVERSITY

DIPLOMA IN CIVIL ENGINEERING
COURSE DURATION – 3 YEARS
6 SEMESTERS

Definition of Category	Code	Credit
Basic Science	BS	21
Engineering Science	ES	22
Professional Core	PC	84
Professional Elective (Discipline Specific)	PE	3
Humanities & Social Science including Management	HSM	12
Project Work / Seminar / Internship / Entrepreneurship	PSE	11
Mandatory / University Specified (Environmental Sc. / Induction Training / Indian Constitution / Foreign language)	MUS	8
Total		161

COURSE CODE	SEMESTER 1		SEMESTER 2		SEMESTER 3		SEMESTER 4		SEMESTER 5		SEMESTER 6	
	NO.	CREDIT	NO.	CREDIT	NO.	CREDIT	NO.	CREDIT	NO.	CREDIT	NO.	CREDIT
BS	3	11	3	10	-	-	-	-	-	-	-	-
ES	4	12	4	10	-	-	-	-	-	-	-	-
PC	-	-	-	-	8	24	7	19	7	20	7	21
PE	-	-	-	-	-	-	-	-	-	-	1	3
HSM	1	3	2	6	-	-	1	3-	-	-	-	-
PSE	-	-	-	-	-	-	-	-	1	4	2	7
MUS	1	2	1	2	1	2	1	2	-	-	-	-

SEMESTER 1

S. No.	Subject	Course Code	Credit Theory	Credit Practical	Credit Tutorial	Total Credit
1	Communication Skill	HSM	3	-	-	3
2	Basic Physics	BS	2	1	-	3
3	Basic Chemistry	BS	2	1	-	3
4	Mathematics	BS	4	-	1	5
5	Engineering Mechanics	ES	3	-	1	4
6	Technical Drawing	ES	2	2	-	4
7	Computer Fundamentals	ES	-	2	-	2
8	Workshop Practice -I	ES	-	2	-	2
9	Foreign Language	MUS	2	-	-	2
	Total					28

SEMESTER 2

S. No.	Subject	Course Code	Credit Theory	Credit Practical	Credit Tutorial	Total Credit
1	Business Economics & Accountancy	HSM	3	-	-	3
2	Applied Physics	BS	2	1	-	3
3	Applied Chemistry	BS	2	1	-	3
4	Engineering Mathematics	BS	4	-	-	4
5	Strength of Materials	ES	3	-	-	3
6	Electrical Technology	ES	2	-	-	2
7	Engineering Drawing	ES	1	2	-	3
8	Workshop Practice -II	ES	-	2	-	2
9	Development of Life Skill -I	HSM	3	-	-	3
10	Foreign Language	MUS	2	-	-	2
	Total					28

SEMESTER 3

S. No.	Subject	Course Code	Credit Theory	Credit Practical	Credit Tutorial	Total Credit
1	Surveying	PC	3	-	-	3
2	Building Material and Construction	PC	3	-	-	3
3	Transportation Engineering I	PC	3	-	-	3
4	Hydraulics	PC	3	-	-	3
5	Concrete Technology	PC	3	-	-	3
6	Mechanics of Structures	PC	3	-	-	3
7	Civil Engineering Drawing	PC	-	3	-	3
8	Civil Engineering Lab I	PC	-	3	-	3
9	Foreign Language	MUS	2	-	-	2
	Total					26

SEMESTER 4

S. No.	Subject	Course Code	Credit Theory	Credit Practical	Credit Tutorial	Total Credit
1	Advanced Surveying	PC	3	-	-	3
2	Geo-Technical Engineering-I	PC	3	-	-	3
3	Estimating & Costing	PC	4	-	-	4
4	Irrigation Engineering	PC	3	-	-	3
5	Field Survey Practice-I	PC	-	2	-	2
6	Application of CAD in Civil Engineering I	PC	-	2	-	2
7	Civil Engineering lab II	PC	-	2	-	2
8	Development of Life Skill -II	HSM	3	-	-	3
9	Foreign Language	MUS	2	-	-	2
	Total					24

SEMESTER 5

S. No.	Subject	Course Code	Credit Theory	Credit Practical	Credit Tutorial	Total Credit
1	Building Services and Entrepreneurship Development	PC	3	-	-	3
2	Contracts and Accounts	PC	2	-	-	2
3	Transportation Engineering II	PC	3	-	-	3
4	Design of RCC Structures	PC	4	-	-	4
5	Geotechnical Engineering II	PC	2	2	-	4
6	Civil Engineering lab III	PC	-	2	-	2
7	Application of CAD in Civil Engineering II	PC	-	2	-	2
8	Civil Engineering Project I	PSE	-	4	-	4
	Total					24

SEMESTER 6

S. No.	Subject	Course Code	Credit Theory	Credit Practical	Credit Tutorial	Total Credit
1	Design of Steel Structure	PC	4	-	-	4
2	Construction & Disaster Management	PC	3	-	-	3
3	Environmental Engineering	PC	4	-	-	4
4	Rural Engineering	PC	3	-	-	3
5	Maintenance & Rehabilitation Of Structure	PE	3	-	-	3
	Advanced Construction Techniques & Equipments					
7	Earthquake Engineering	PC	3	-	-	3
	Field Surveying Practice II	PC	-	2	-	2
8	Civil Engineering Lab-IV	PC	-	2	-	2
9	Civil Engineering Project II	PSE	-	4	-	4
10	General Viva-voce	PSE	-	-	3	3
	Total					28