



SCHOOL OF ENGINEERING
SISTER NIVEDITA UNIVERSITY

DIPLOMA IN ELECTRICAL ENGINEERING

COURSE DURATION – 3 YEARS

6 SEMESTERS

Definition of Category	Code	Credit
Basic Science	BS	21
Engineering Science	ES	43
Professional Core	PC	52
Professional Elective (Discipline Specific)	PE	8
Humanities & Social Science including Management	HSM	12
Project Work / Seminar / Internship / Entrepreneurship	PSE	13
Mandatory / University Specified (Environmental Sc. / Induction Training / Indian Constitution / Foreign language)	MUS	8
Total		157

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	3	9	1	4	2	8	-	-
PC	-	-	-	-	4	13	5	18	2	8	4	13
PE	-	-	-	-	-	-	-	-	1	4	1	4
HSM	1	3	2	6	-	-	1	3-	-	-	-	-
PSE	-	-	-	-	-	-	-	-	1	5	2	8
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	Electrical Circuit & Network	PC	3	1	-	4
2	Electrical Machine I	PC	3	1	-	4
3	Basic Electronics	ES	3	1	-	4
4	Programming in C	ES	2	1	-	3
5	Electrical Measuring Instrument	PC	3	1	-	4
6	Electrical Workshop I	PC	-	1	-	1
7	Elements of Mechanical Engineering	ES	2	-	-	2
8	Foreign Language	MUS	2	-	-	2
	Total					24

SEMESTER 4

S. No.	Subject	Course Code	Credit Theory	Credit Practical	Credit Tutorial	Total Credit
1	Electrical Machine II	PC	3	1	-	4
2	Electrical Measurement & Control	PC	3	1	-	4
3	Transmission & Distribution of Power	PC	3	1	-	4
4	Applied and Digital Electronics	ES	3	1	-	4
5	Power Plant Engineering	PC	4	-	-	4
6	Computer aided Electrical Drawing	PC	-	2	-	2
7	Development of Life Skill -II	HSM	3	-	-	3
8	Foreign Language	MUS	2	-	-	2
	Total					27

SEMESTER 5

S. No.	Subject	Course Code	Credit Theory	Credit Practical	Credit Tutorial	Total Credit
1	Power Electronics and Drives	ES	3	1	-	4
2	Microprocessor & Microcontroller	ES	3	1	-	4
3	Switchgear & Protection	PC	3	1	-	4
4	Utilization, Traction , Heating and drives	PC	3	1	-	4
5	Illumination Engineering	PE	3	1	-	4
	Heating , Ventilation and Air conditioning				-	
6	Industrial Project & Entrepreneurship Development	PSE	-	5	-	5
	Total					25

SEMESTER 6

S. No.	Subject	Course Code	Credit Theory	Credit Practical	Credit Tutorial	Total Credit
1	Electrical Design Estimation & Costing	PC	4	1	-	5
2	Electrical Installation , Maintenance , Testing	PC	3	1	-	4
3	Electrical Workshop II	PC	-	1	-	1
4	Industry Management	PC	3	-	-	3
5	Industrial Automation	PE	3	1		4
	Computer Hardware & Networking					
6	Industrial Project	PSE	-	-	5	5
7	General Viva-Voce	PSE	-	3	-	3
	Total					25