



**SCHOOL OF ENGINEERING**  
**SISTER NIVEDITA UNIVERSITY**

**DIPLOMA IN COMPUTER SCIENCE ENGINEERING**  
**COURSE DURATION – 3 YEARS**  
**6 SEMESTERS**

Definition of Category	Code	Credit
Basic Science	BS	21
Engineering Science	ES	35
Professional Core	PC	66
Professional Elective (Discipline Specific)	PE	5
Humanities & Social Science including Management	HSM	9
Project Work / Seminar / Internship / Entrepreneurship	PSE	12
Mandatory / University Specified (Environmental Sc. / Induction Training / Indian Constitution / Foreign language)	MUS	8
<b>Total</b>		<b>156</b>

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	11	2	8	1	4	-	-	-	-
PC	-	-	-	-	3	13	5	18	4	15	5	20
PE	-	-	-	-	-	-	-	-	1	5	-	-
HSM	1	3	2	6	-	-	-	-	-	-	-	-
PSE	-	-	-	-	-	-	-	-	1	6	2	6
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
	<b>Total</b>					<b>28</b>

## 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
	<b>Total</b>					<b>28</b>

## SEMESTER 3

S. No.	Subject	Course Code	Credit Theory	Credit Practical	Credit Tutorial	Total Credit
1	Programming in C	PC	3	2	-	5
2	Data Structure	PC	3	2	-	5
3	Computer Organization and Architecture	PC	3	-	-	3
4	PC Maintenance	PC	-	2	-	2
5	Electronic Devices & Circuits	ES	3	1	-	4
6	Digital Logic Design	ES	3	1	-	4
7	Foreign Language	MUS	2	-	-	2
	<b>Total</b>					<b>25</b>

## SEMESTER 4

S. No.	Subject	Course Code	Credit Theory	Credit Practical	Credit Tutorial	Total Credit
1	Microprocessor & Programming	ES	3	1	-	4
2	Computer Network	PC	3	1	-	4
3	Relational Database Management System	PC	3	1	-	4
4	Object Oriented Programming	PC	3	1	-	4
5	Computer Graphics	PC	3	1	-	4
6	WEB Page Development	PC	-	2	-	2
7	Development of Life Skill -II		3	-	-	3
8	Foreign Language	MUS	2	-	-	2
	<b>Total</b>					<b>27</b>

### SEMESTER 5

S. No.	Subject	Course Code	Credit Theory	Credit Practical	Credit Tutorial	Total Credit
1	Software Engineering	PC	3	-	-	3
2	JAVA Programming	PC	3	2	-	5
3	Operating System	PC	3	1	-	4
4	Theory of Computation	PC	3	-	-	3
5	Multimedia and Animation Technique	PE	3	2	-	5
	Network Management and Administration					
6	Project	PSE	-	5	-	5
<b>Total</b>						<b>25</b>

### SEMESTER 6

S. No.	Subject	Course Code	Credit Theory	Credit Practical	Credit Tutorial	Total Credit
1	Advanced Java Programming	PC	3	2	-	5
2	System Programming & Compiler Design	PC	3	1	-	4
3	Numerical Methods	PC	3	2	-	5
4	Advanced Web Technology	PE	3	2	-	5
	Digital Image Processing					
6	Project (Seminar Work)	PSE	-	3	-	3
7	General Viva-Voce	PSE	-	3	-	3
<b>Total</b>						<b>25</b>