

NM Institute Of Engineering and Technology, Bhubaneswar

DEPARTMENT:CSE

LESSON PLAN: Academic Year 2022-23 (Even Semester)

COURSE: DIPLOMA

SEMESTER: 2nd

Subject/Code: COMPUTER APPLICATION

Faculty Name: Prangya P. Srichandan

Sl. No.	Name of the Topic to Cover	Text Book	Teaching Method	Course Progress	Remark
1	Introduction to Computer	T1	G	100%	
2	Evolution of Computers	T1	G	100%	
3	Generation of Computers	T2	G	100%	
4	Classification of Computers	T1	G	100%	
5	Basic Organisation of Computer (Functional Block diagram)	T1	G	100%	
6	Concept of Computer Memory	T3	G	100%	
7	Classification of Memory	T1	G	100%	
8	Software concept, System software	R1	G	97%	
9	Application software	T1	G	100%	
10	Overview of Operating System Objectives	T4	G	98%	
11	Functions of O.S.	T2	G	100%	
12	Types of Operating System	T2	G,P	100%	
13	Features of DOS	T1	G,P	100%	
14	Windows and UNIX	T1	G	100%	
15	Computer Virus Different Types of computer virus	T3	G	100%	
16	Detection of Virus	T1	G	100%	
17	prevention of Virus(antivirus)	T1	G	100%	
18	Application of computers in different Domain	T1	G	100%	
19	Networking concept	T1	G	99%	
20	Concept of different Protocol	T1	G,P	100%	
21	Connecting Media	T3	G	100%	
22	Data Transmission mode	T2	G	97%	
23	Network Topologies	T2	G	98%	
24	Types of Network	T1	G	100%	
25	Networking Devices	T1	G	100%	
26	Internet Services	T2	G	100%	
27	Different types of Internet connectivity and ISP	T2	G	100%	
28	Concept of File and Folder	T2	G,P	100%	
29	File Access and Storage methods	T2	G	100%	
30	File Storage methods	T3	G	99%	
31	Data Capture	T1	G,P	100%	
32	Data storage	T1	G	100%	
33	Data Processing and Retrieval	T1	G	98%	
34	Algorithm, Pseudo code	T1	G	100%	

35	Flowchart	T4	G	100%	
36	Generation of Programming Languages	T1	G	100%	
37	Structured Programming Language	T1	G	100%	
38	Problem solving through Flowchart	T1	G	100%	
39	Constants, Variables and Data types in C Managing Input and Output operations	T2	G	100%	
40	Operators, Expressions in C Programming language	T3	G	98%	
41	Type conversion & Typecasting	T4	G	100%	
42	Decision Control Statements	T2	G	100%	
43	Looping Statements	T2	P	99%	
44	Programming Assignments using the above features.	T3	P	100%	
45	Scope of Variables	T4	P	100%	
46	Storage Classes	T3	G	100%	
47	Recursion Function	T2	G	100%	
48	Types of Recursion	T3	G	98%	
49	Concept of control statements	T2	G	100%	
50	Control statements	T3	G	100%	
51	Concept of looping statement	T4	G	97%	
52	loop statement implementation	T3	G	100%	
53	One Dimensional Array	T3	G	99%	
54	Multidimensional Array	T3	G	100%	
55	String Operations	T1	G,P	100%	
56	Concept of Pointers	T1	G	97%	
57	Pointer Expression	T1	G	99%	
58	Pointer Arithmetic Programming	T1	G	98%	
59	Concept of Structure	T3	G	100%	
60	Concept of Union	T1	G	100%	

Method of Teaching

G: Green Board Teaching

P: Power Point Teaching

Faculty Signature *Prangya P. Srichandan*

At the end of this course, students will be able to:

Understand the basic concept of computer organization

Understand the concept of computer hardware and software

Understand the basic concept of computer network and internet services

Understand the basic concept of file management and data processing

Understand the basic problem solving methodologies

Understand the basic concept C programming language

TEXT BOOKS:

Computer Fundamentals and Programming in C by Reema Thareja, Oxford University Press

Programming in ANSI C by A.N Kamthane, Pearson Education

Computer Application by Kalyani Publisher

Computer Fundamentals, by E. Balaguruswamy, TMH