



NILASAIL INSTITUTE OF SCIENCE & TECHNOLOGY
SERGARH-756060, BALASORE (ODISHA)
(Approved by AICTE & affiliated to SCTE&VT, Odisha)



LESSON PLAN

SUBJECT: Th1.COMPUTER APPLICATION

CHAPTERWISE DISTRIBUTION OF PERIODS

Sl.No.	Name of the chapter as per the Syllabus	No. of Periods as per the Syllabus	No. of periods actually needed
1	Computer Organisation	05	06
2	Computer Software	07	07
3	Computer Network and internet	08	08
4	File Management and Data Processing	05	05
5	Problem Solving Methodology	05	05
6	Overview of C Programming Language	15	15
7	Advance features of C	15	14
	TOTAL	60	60

Discipline: AUTO/CIVIL/ MECHANICAL	Semester: 1 ST	Name of the Teaching Faculty :HARIHAR SAHOO	
		SESSION : 2023-24	EXAMINATION : 2023 (W)
Week	ClassDay	Theory/Practical Topics	
1 st	1 st	1. COMPUTER ORGANISATION Introduction to Computer Evolution	
	2 nd	Generation of Computers Classification of Computer	
	3 rd	Basic Organisation of Computer (Functional Block diagram) Input Devices, CPU & Output Devices	
	4 th	Computer Memory and Classification of Memory	
2 ND	1 st	2. COMPUTER SOFTWARE Software concept, System software	
	2 nd	Application software	
	3 rd	Overview of Operating System Objectives	
	4 th	Functions of O.S	
3 RD	1 st	Types of Operating System: Batch Processing, Multiprogramming, Time Sharing OS	
	2 nd	Features of DOS	
	3 rd	Features of Windows and unix	
	4 th	Programming Languages Compiler, interpreter	
4 TH	1 st	Computer Virus, Different Types of computer virus	
	2 nd	Detection and prevention of Virus	
	3 rd	Application of computers in different Domain	
	4 th	Application of computers in different Domain	
5 TH	1 st	3. COMPUTER NETWORK AND INTERNET Networking concept, Protocol	
	2 nd	Connecting Media, Data Transmission mode	
	3 rd	Network Topologies	
	4 th	Types of Network	
6 TH	1 st	Networking Devices like Hub, Repeater, Switch, Bridge	
	2 nd	Networking Devices like Router, Gateway & NIC	
	3 rd	Internet Services like E-Mail, WWW, FTP, Chatting	
	4 th	Internet Services like Internet Conferencing, Electronic Newspaper & Online Shopping	

	1 st	Different types of Internet connectivity and ISP
7TH		
	2 nd	4. FILE MANAGEMENT AND DATA PROCESSING Concept of File and Folder
	3 rd	File Access and Storage methods
	4 th	Sequential, Direct, ISAM
8TH	1 st	Data Capture
	2 nd	Data storage
	3 rd	Data Processing and Retrieval
	4 th	Data Processing and Retrieval
9TH	1 st	Pseudo code
	2 nd	Flowchart
	3 rd	Generation of Programming Languages Structured Programming Language
	4 th	Examples of Problem solving through Flowchart
10TH	1 st	6. OVERVIEW OF C PROGRAMMING LANGUAGE Constants, Variables and Data types in C
	2 nd	Managing Input and Output operations
	3 rd	Operators, Expressions
	4 th	Type conversion
11TH	1 st	Typecasting
	2 nd	
	3 rd	Looping Statements (While, Dowhile, For, Break, Continue & Goto)
	4 th	Programming Assignments using the above features
12TH	1 st	CLASS TEST
	2 nd	7. ADVANCED FEATURES OF C Functions
	3 rd	Passing Parameters to the Function (Call by Value and Call by Reference)
	4 th	Scope of Variables and Storage Classes

13TH	1st	Recursion Function and Types of Recursion
	2nd	One Dimensional Array and Multidimensional Array
	3rd	One Dimensional Array and Multidimensional Array
	4th	Program using One Dimensional Array and Multidimensional Array
14TH	1st	String Operations and Pointers
	2nd	Pointer Expression
	3rd	Pointer Arithmetic Programming Assignments using the above features. Structure and Union (Only concepts, No Programming)
	4th	revision
15TH	1st	revision
	2nd	revision
	3rd	revision
	4th	revision