



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

Sign.OfFaculty

Sign.OfHOD