



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

7TH		
	2 <sup>nd</sup>	<b>4. FILE MANAGEMENT AND DATA PROCESSING</b> Concept of File and Folder
	3 <sup>rd</sup>	File Access and Storage methods
	4 <sup>th</sup>	Sequential, Direct, ISAM
8TH	1 <sup>st</sup>	Data Capture
	2 <sup>nd</sup>	Data storage
	3 <sup>rd</sup>	Data Processing and Retrieval
	4 <sup>th</sup>	Data Processing and Retrieval
9TH	1 <sup>st</sup>	Pseudo code
	2 <sup>nd</sup>	Flowchart
	3 <sup>rd</sup>	Generation of Programming Languages Structured Programming Language
	4 <sup>th</sup>	Examples of Problem solving through Flowchart
10TH	1 <sup>st</sup>	<b>6. OVERVIEW OF C PROGRAMMING LANGUAGE</b> Constants, Variables and Data types in C
	2 <sup>nd</sup>	Managing Input and Output operations
	3 <sup>rd</sup>	Operators, Expressions
	4 <sup>th</sup>	Type conversion
11TH	1 <sup>st</sup>	Typecasting
	2 <sup>nd</sup>	Decision Control and Looping Statements (If, If-else, If-else-if, Switch)
	3 <sup>rd</sup>	Looping Statements ( While, DOWHILE, For, Break, Continue & Goto)
	4 <sup>th</sup>	Programming Assignments using the above features
12TH	1 <sup>st</sup>	<b>CLASS TEST</b>
	2 <sup>nd</sup>	<b>7. ADVANCED FEATURES OF C</b> Functions
	3 <sup>rd</sup>	Passing Parameters to the Function (Call by Value and Call by Reference)
	4 <sup>th</sup>	Scope of Variables and Storage Classes
13TH	1 <sup>st</sup>	Recursion Function and Types of Recursion

	<b>2<sup>nd</sup></b>	One Dimensional Array and Multidimensional Array
	<b>3<sup>rd</sup></b>	One Dimensional Array and Multidimensional Array
	<b>4<sup>th</sup></b>	Program using One Dimensional Array and Multidimensional Array
<b>14TH</b>	<b>1<sup>st</sup></b>	String Operations and Pointers
	<b>2<sup>nd</sup></b>	Pointer Expression
	<b>3<sup>rd</sup></b>	Pointer Arithmetic Programming Assignments using the above features. Structure and Union (Only concepts, No Programming)
	<b>4<sup>th</sup></b>	revision
<b>15TH</b>	<b>1<sup>st</sup></b>	revision
	<b>2<sup>nd</sup></b>	revision
	<b>3<sup>rd</sup></b>	revision
	<b>4<sup>th</sup></b>	revision

**Sign.OfFaculty**

**Sign.OfHOD**