



**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	<b>Name of the Teaching Faculty :HARIHAR SAHOO</b>
		<b>SESSION : 2023-24</b> <b>EXAMINATION : 2024 (S)</b>
<b>Week</b>	<b>ClassDay</b>	<b>Theory/Practical Topics</b>
<b>1<sup>st</sup></b>	<b>1<sup>st</sup></b>	<b>1. COMPUTER ORGANISATION</b> Introduction to Computer Evolution
	<b>2<sup>nd</sup></b>	Generation of Computers Classification of Computer
	<b>3<sup>rd</sup></b>	Basic Organisation of Computer (Functional Block diagram) Input Devices, CPU & Output Devices
	<b>4<sup>th</sup></b>	Computer Memory and Classification of Memory
<b>2ND</b>	<b>1<sup>st</sup></b>	<b>2. COMPUTER SOFTWARE</b> Software concept, System software
	<b>2<sup>nd</sup></b>	Application software
	<b>3<sup>rd</sup></b>	Overview of Operating System Objectives
	<b>4<sup>th</sup></b>	Functions of O.S
<b>3RD</b>	<b>1<sup>st</sup></b>	Types of Operating System: Batch Processing, Multiprogramming, Time Sharing OS
	<b>2<sup>nd</sup></b>	Features of DOS
	<b>3<sup>rd</sup></b>	Features of Windows and unix
	<b>4<sup>th</sup></b>	Programming Languages Compiler, interpreter
<b>4TH</b>	<b>1<sup>st</sup></b>	Computer Virus, Different Types of computer virus
	<b>2<sup>nd</sup></b>	Detection and prevention of Virus
	<b>3<sup>rd</sup></b>	Application of computers in different Domain
	<b>4<sup>th</sup></b>	Application of computers in different Domain
<b>5TH</b>	<b>1<sup>st</sup></b>	<b>3. COMPUTER NETWORK AND INTERNET</b> Networking concept, Protocol
	<b>2<sup>nd</sup></b>	Connecting Media, Data Transmission mode
	<b>3<sup>rd</sup></b>	Network Topologies
	<b>4<sup>th</sup></b>	Types of Network
<b>6TH</b>	<b>1<sup>st</sup></b>	Networking Devices like Hub, Repeater, Switch, Bridge
	<b>2<sup>nd</sup></b>	Networking Devices like Router, Gateway & NIC
	<b>3<sup>rd</sup></b>	Internet Services like E-Mail, WWW, FTP, Chatting
	<b>4<sup>th</sup></b>	Internet Services like Internet Conferencing, Electronic Newspaper & Online Shopping

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

<b>13TH</b>	<b>1<sup>st</sup></b>	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

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