

## LESSON PLAN 2023 (WINTER)

Discipline: Civil, Mechanical	Semester :1 <sup>st</sup>	Name of the Teaching faculty Manalisa Giri
Subject : Computer Application	No. of Days/per week class allotted : 04	Semester from date : with effect from 01/08/2023 to 11/12/2023 No. of weeks : 15
Week	Class Day	Topics : Theory
1 <sup>st</sup>	1 <sup>st</sup>	Introduction to Computer Evolution of Computers Generation of Computers Classification of Computers
	2 <sup>nd</sup>	Basic Organization of Computer (Functional Block diagram)
	3 <sup>rd</sup>	Input Devices, CPU & Output Devices.
	4 <sup>th</sup>	Computer Memory and Classification of Memory
2 <sup>nd</sup>	1 <sup>st</sup>	Software concept, System software, Application software
	2 <sup>nd</sup>	Overview of Operating System Objectives and Functions of O.S
	3 <sup>rd</sup>	Question Answer Discussion
	4 <sup>th</sup>	Types of Operating System: Batch Processing, Multiprogramming, Time Sharing OS Features of DOS, Windows and UNIX
3 <sup>rd</sup>	1 <sup>st</sup>	Programming Languages Compiler,
	2 <sup>nd</sup>	interpreter Computer Virus, Different Types of computer virus, Detection and prevention of Virus
	3 <sup>rd</sup>	Application of computers in different Domain
	4 <sup>th</sup>	Networking concept, Protocol, Connecting Media,
4 <sup>th</sup>	1 <sup>st</sup>	Date Transmission mode
	2 <sup>nd</sup>	Network Topologies,
	3 <sup>rd</sup>	Types of Network, Networking Devices like Hub, Repeater, Switch, Bridge, Router, Gateway & NIC
	4 <sup>th</sup>	Internet Services like E-Mail, WWW, FTP, Chatting, Internet Conferencing
5 <sup>th</sup>	1 <sup>st</sup>	Electronic Newspaper & Online Shopping
	2 <sup>nd</sup>	Different types of Internet connectivity and ISP
	3 <sup>rd</sup>	Question Answer Discussion
	4 <sup>th</sup>	Concept of File and Folder
6 <sup>th</sup>	1 <sup>st</sup>	File Access and Storage methods
	2 <sup>nd</sup>	Sequential, Direct, ISAM Data Capture
	3 <sup>rd</sup>	Data storage
	4 <sup>th</sup>	Data Processing and Retrieval
7 <sup>th</sup>	1 <sup>st</sup>	Question Answer Discussion
	2 <sup>nd</sup>	Algorithm,
	3 <sup>rd</sup>	Pseudo code and Flowchart Generation of Programming Languages
	4 <sup>th</sup>	Structured Programming Language
8 <sup>th</sup>	1 <sup>st</sup>	Examples of Problem solving through Flowchart
	2 <sup>nd</sup>	Examples of Problem solving through Flowchart
	3 <sup>rd</sup>	Constants, Variables and Data types in C Managing Input and Output operations
	4 <sup>th</sup>	Data types in C Managing Input and Output operations

9 <sup>th</sup>	1 <sup>st</sup>	Operators, Expressions
	2 <sup>nd</sup>	Expressions, Type conversion & Typecasting
	3 <sup>rd</sup>	Typecasting
	4 <sup>th</sup>	Decision Control and Looping Statements (If, If-else, If-else-if, Switch, While, Do-while, For, Break, Continue & Goto)
10 <sup>th</sup>	1 <sup>st</sup>	Decision Control and Looping Statements (If, If-else, If-else-if, Switch, While, Do-while, For, Break, Continue & Goto)
	2 <sup>nd</sup>	While, Do-while, For, Break, Continue & Goto
	3 <sup>rd</sup>	Programming Assignments using the above features
	4 <sup>th</sup>	Programming Assignments using the above features
11 <sup>th</sup>	1 <sup>st</sup>	Question & Answer Discussion
	2 <sup>nd</sup>	Advance Features of C
	3 <sup>rd</sup>	Functions In C
	4 <sup>th</sup>	Functions In C
12 <sup>th</sup>	1 <sup>st</sup>	Functions In C
	2 <sup>nd</sup>	Passing Parameters to the Function (Call by Value and Call by Reference)
	3 <sup>rd</sup>	Passing Parameters to the Function (Call by Value and Call by Reference)
	4 <sup>th</sup>	Passing Parameters to the Function (Call by Value and Call by Reference)
13 <sup>th</sup>	1 <sup>st</sup>	Doubt Clearing Class
	2 <sup>nd</sup>	Scope of Variables and Storage Classes
	3 <sup>rd</sup>	Recursion Function
	4 <sup>th</sup>	Types of Recursion
14 <sup>th</sup>	1 <sup>st</sup>	One Dimensional Array
	2 <sup>nd</sup>	Multidimensional Array
	3 <sup>rd</sup>	String Operations
	4 <sup>th</sup>	Pointers
15 <sup>th</sup>	1 <sup>st</sup>	Pointers, Pointer Expression and Pointer Arithmetic Programming Assignments
	2 <sup>nd</sup>	Pointer Arithmetic Programming Assignments
	3 <sup>rd</sup>	Structure (Only concepts, No Programming)
	4 <sup>th</sup>	Union (Only concepts, No Programming)

Manalika Ginn  
Signature of the faculty