

ACADEMIC CURRICULAM PLAN		
LESSON PLAN 2022(Winter) Classes from 25/10/2022		
Discipline :- Mechanical Sec-(F)	Semester : 1st	Name of the Teaching faculty: Miss Manalisa Giri
Subject:- COMPUTER APPLICATION	No. of days/per week class Allotted: 04	No. of Weeks : 15
Month	Class Day	Theory / Practical Topics
1 <sup>st</sup> week	1 <sup>st</sup>	Introduction to Computer Evolution of Computers.
	2 <sup>nd</sup>	Generation of Computers Classification of Computers.
	3 <sup>rd</sup>	Basic Organization of Computer (Functional Block diagram).
	4 <sup>th</sup>	Computer (Functional Block diagram) and Question Answer Discussion.
2 <sup>nd</sup> week	1 <sup>st</sup>	Input Devices, CPU & Output Devices.
	2 <sup>nd</sup>	Computer Memory and Classification of Memory.
	3 <sup>rd</sup>	Software concept, System software, Application software.
	4 <sup>th</sup>	Overview of Operating System Objectives and Functions of O.S.
3 <sup>rd</sup> week	1 <sup>st</sup>	Question Answer Discussion.
	2 <sup>nd</sup>	Types of Operating System: Batch Processing, Multiprogramming.
	3 <sup>rd</sup>	Time Sharing OS Features of DOS.
	4 <sup>th</sup>	Windows and UNIX.
4 <sup>th</sup> week	1 <sup>st</sup>	Programming Languages Compiler.
	2 <sup>nd</sup>	Question Answer Discussion.
	3 <sup>rd</sup>	interpreter Computer Virus, Different Types of computer virus, Detection and prevention of Virus.
	4 <sup>th</sup>	interpreter Computer Virus, Different Types of computer virus, Detection and prevention of Virus.
5 <sup>th</sup> week	1 <sup>st</sup>	interpreter Computer Virus, Different Types of computer virus, Detection and prevention of Virus.
	2 <sup>nd</sup>	Networking concept, Protocol.
	3 <sup>rd</sup>	Connecting Media, Data Transmission mode.
	4 <sup>th</sup>	Network Topologies, Types of Network.
6 <sup>th</sup> week	1 <sup>st</sup>	Networking Devices like Hub, Repeater, Switch, Bridge, Router, Gateway & NIC.
	2 <sup>nd</sup>	Internet Services like E-Mail, WWW.
	3 <sup>rd</sup>	FTP, Chatting, Internet Conferencing.
	4 <sup>th</sup>	Electronic Newspaper & Online Shopping .
7 <sup>th</sup> week	1 <sup>st</sup>	Different types of Internet connectivity and ISP.
	2 <sup>nd</sup>	Concept of File and Folder, Question Answer Discussion.
	3 <sup>rd</sup>	File Access and Storage methods.
	4 <sup>th</sup>	Sequential, Direct, ISAM Data Capture.
8 <sup>th</sup> week	1 <sup>st</sup>	Data storage, Data Processing and Retrieval.
	2 <sup>nd</sup>	Algorithm.
	3 <sup>rd</sup>	Algorithm.
	4 <sup>th</sup>	Algorithm, Question Answer Discussion.
9 <sup>th</sup> week	1 <sup>st</sup>	Pseudo code.
	2 <sup>nd</sup>	Flowchart Generation of Programming Languages.
	3 <sup>rd</sup>	Structured Programming Language.
	4 <sup>th</sup>	Examples of Problem solving through Flowchart .
10 <sup>th</sup> week	1 <sup>st</sup>	Examples of Problem solving through Flowchart.
	2 <sup>nd</sup>	Examples of Problem solving through Flowchart.
	3 <sup>rd</sup>	Examples of Problem solving through Flowchart.
	4 <sup>th</sup>	Constants, Variables and Data types in C Managing Input and Output operations.
11 <sup>th</sup> week	1 <sup>st</sup>	Data types in C Managing Input and Output operations, Operators Expressions.
	2 <sup>nd</sup>	Expressions, Type conversion & Typecasting.
	3 <sup>rd</sup>	Decision Control and Looping Statements (If, If-else, If-else-if, Switch, While, Do-while, For, Break, Continue & Goto).
	4 <sup>th</sup>	Decision Control and Looping Statements (If, If-else, If-else-if, Switch, While, Do-while, For, Break, Continue & Goto).
12 <sup>th</sup> week	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.
13 <sup>th</sup> week	1 <sup>st</sup>	Question & Answer Discussion.
	2 <sup>nd</sup>	Advance Features of C, Functions in C.
	3 <sup>rd</sup>	Functions in C.
	4 <sup>th</sup>	Passing Parameters to the Function (Call by Value and Call by Reference).
14 <sup>th</sup> week	1 <sup>st</sup>	Passing Parameters to the Function (Call by Value and Call by Reference).
	2 <sup>nd</sup>	Doubt Clearing Class.
	3 <sup>rd</sup>	Scope of Variables and Storage Classes.
	4 <sup>th</sup>	Recursion Function, Types of Recursion.
15 <sup>th</sup> week	1 <sup>st</sup>	One Dimensional Array.
	2 <sup>nd</sup>	Multidimensional Array.
	3 <sup>rd</sup>	String Operations, Pointers.
	4 <sup>th</sup>	Pointer Expression and Pointer Arithmetic Programming Assignments.

Manalisa Giri

Signature of the faculty