



# GOVT. POLYTECHNIC MAYURBHANJ

## LESSON PLAN (2022-2023)

Branch : Electrical Engg.		Semester: 2nd Sem	Name of the Teaching Faculty :Hemangini Dalei
Subject :Computer Application		No. of Days / per week class allotted : 04	Semester From date : 20.03.2023 To Date : 27.06.2023
MONTH	Week	Day	Topics
MARCH	4TH	1ST	Introduction to Computer
		2ND	Evolution of Computers
		3RD	Generation of ComputersClassification of Computers
		4TH	Classification of Computers
	5TH	1ST	Basic Organization of Computer (Functional Block diagram)
		2ND	Input Devices, CPU & Output Devices
		3RD	Computer Memory
APRIL	2nd	1ST	Classification of Memory
		2ND	Software concept, System software, 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	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	Networking concept
	5TH	1ST	Protocol, Connecting Media
		2ND	Network Topologies
		3RD	Types of Network
		4TH	Networking Devices like Hub, Repeater, Switch, Bridge, Router, Gateway & NIC
		1ST	Internet Services like E-Mail, WWW, FTP, Chatting

MAY	1ST	2ND	Internet Conferencing, Electronic Newspaper & Online Shopping
		3RD	Different types of Internet connectivity and ISP
		4TH	Concept of File and Folder
	2nd	1ST	File Access and Storage methods. Sequential, Direct, ISAM
		2ND	Data Capture, Data storage
		3RD	Data Processing and Retrieval
		4TH	Algorithms, pseudo code
	3rd	1ST	About Flowchart
		2ND	Generations of programming language
		3RD	Structured programming
		4TH	Examples of problem solving through flowchart
	4TH	1ST	Constants, variables
		2ND	data types in C
		3RD	Managing input and output operations
		4TH	Operators, expressions
	5TH	1ST	Type conversion, type casting
		2ND	Decision control
		3RD	looping statement
JUNE	1ST	4TH	Programming assignment using above features
	2nd	1ST	Programming assignment using above features
		2ND	Programming assignment using above features
		3RD	Functions and passing parameters to the function
		4TH	Scope of variable and storage class
	3rd	1ST	Recursion function and its types
		2ND	One dimensional and multi dimensional array
	4TH	1ST	String operations and pointers
		3RD	String operations and pointers
		4TH	Pointer expression and arithmetic
	5TH	1ST	Pointer expression and arithmetic
		2ND	Programming assignments
		3RD	Structure and union
		4TH	Revision