GOVERNMENT POLYTECHNIC JAJPUR
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DEPARTMENT OF MATH &SCIENCE

LESSON PLAN

Discipline : ELE/MIN/METT	Semester:2ND	Name of the Teaching Faculty: UMAKANTA NANDA
Subject: CA	No. Of Days/Week	Semester From Date: 20.03.2023To
	Class Allotted	Date:27.06.2023
	04	No. Of Weeks : 15
Week	Class Day	Theory Topics
1st	1st	**Unit-1 COMPUTER ORGANISATION** Introduction to Computer and some terminology
	2nd	Evolution of Computers Generation of Computers
	3rd	Classification of Computers
	4th	Basic Organisation of Computer (Functional Block diagram)
2nd	1st	Input Devices and Output Devices.
	2nd	Classification of Memory
	3rd	**Unit-2 COMPUTER SOFTWARE** Software concept, System software, Application software
	4th	Operating System and Functions of O.S
3rd	1st	Types of Operating System
	2nd	Features of DOS, Windows and UNIX
	3rd	Programming Languages ,Compiler& interpreter
	4th	Computer Virus Types of computer virus Detection and prevention of Virus
4th	1st	**Revision**
	2nd	**Quiz-1**
	3rd	**Unit-3 COMPUTER NETWORK AND INTERNET** Networking concept, Types of Network
	4th	Protocol, Connecting Media
5th	1st	Network Topologies, Date Transmission mode
	2nd	Date Transmission mode
	3rd	Different types of Internet connectivity and ISP
	4th	Networking Devices
6th	1st	Internet Services like E-Mail, WWW, FTP, Chatting, Internet Conferencing, Electronic Newspaper & Online Shopping
	2nd	**Revision**
	3rd	**Unit -4 FILE MANAGEMENT AND DATA PROCESSING** Concept of File and Folder
	4th	File operation

7th	1st	File Access methods--Sequential, Direct, ISAM
	2nd	File Storage methods
	3rd	Data Capture, Data storage Data Processing
	4th	Quiz-2
8th	1st	**Unit—5 PROBLEM SOLVING METHODOLOGY** Algorithm, Pseudo code and Flowchart
	2nd	Problem solving through Algorithm
	3rd	Generation of Programming Languages
	4th	Structured Programming Language
9th	1st	Problem solving through Flowchart
	2nd	**Unit-6 OVERVIEW OF C PROGRAMMING LANGUAGE** Introduction to C programm
	3rd	Constants, Variables
	4th	Data types in C
10th	1st	Managing Input and Output operations and header files
	2nd	Structure of a typical C program
	3rd	Operators
	4th	Programs related to operator and simple concept.
11th	1st	Type conversion & Typecasting
	2nd	Programs related to above concept.
	3rd	Decision Control statement in C
	4th	Programs related to Control statement
12th	1st	Programs related to Control statement contd..
	2nd	Looping Statements in C
	3rd	Programs related to loop
	4th	Programs related to loop contd..
13th	1st	**Revision**
	2nd	**Unit-7 ADVANCED FEATURES OFC** Array
	3rd	One Dimensional Array and Multidimensional Array
	4th	Programs in Array.
14th	1st	String and string operation
	2nd	Function
	3rd	Passing Parameters to the Function (Call by Value and Call by Reference)
	4th	Programs using Function.
15th	1st	Recursion Function and Types of Recursion
	2nd	Programs using recursion in function.
	3rd	Scope of Variables and Storage Classes
	4th	Pointers
16th	1st	Structure and Union (concept)
	2nd	**Class test**
	3rd	**Revision**
	4th	Quiz-3

Umakanta Nanda

signature