

LESSON PLAN

SUB: COMPUTER APPLICATION

BRANCH:- COMPUTER SCIENCE & ENGG.

SEMESTER: 2ND


NAME OF FACULTY: Laxmidhar Sethy (Sr. Lect. in CSE)

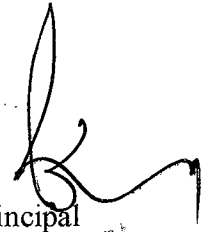


**GOVERNMENT POLYTECHNIC,
BHADRAK**

SESSION : 2023-24


Hod, Math & Sc

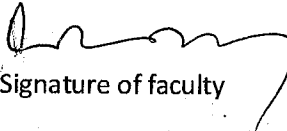

Academic Co-ordinator
Academic Co-ordinator


Principal
Govt. Polytechnic, Bhadrak
**Govt. Polytechnic
Bhadrak**

Discipline: Computer Sc.&Engg.	Semester: 2 nd	Name of the Teaching Faculty : Laxmidhar Sethy
Subject: Computer Application	No. of Days/per week class allotted:4	Semester from date: 29.01.2024 To Date: 14.05.2024 No. of Weeks:
Week	Class Day	Theory
1 st	1 st	Introduction to Computer
	2 nd	Evaluation of Computer
	3 rd	Generation of Computer
	4 th	Classification of Computer
2 nd	1 st	Basic Organisation of Computer, Input Devices and Output devices
	2 nd	Computer Memory and Classification of Memory
	3 rd	Software Concepts, System software and Application Software
	4 th	Overview of Operating System, Objective and Function of Operating System
3 rd	1 st	Types of Operating System
	2 nd	Features of DOS, WINDOWS & UNIX
	3 rd	Programming Languages
	4 th	Discussion on Compiler and Interpreter
4 th	1 st	Computer Virus and Types of Computer Virus, Detection and Prevention of virus
	2 nd	Application of Computers in different domains and previous year question discussion of chapter1 and chapter2
	3 rd	Networking concept, definition of protocol and connecting media
	4 th	Data Transmission Mode
5 th	1 st	Network Topology and Different types of Topology
	2 nd	Network and types of Network
	3 rd	Networking Devices (Hub, Repeater, Switch, Bridge, Router, Gateway and NIC)
	4 th	Internet Services and Different Protocol
6 th	1 st	Different Types of Internet Connectivity and ISP
	2 nd	Concepts of File and Folder and Unit of storage
	3 rd	File Access Methods
	4 th	Data Capture and Data storage

7 th	1 st	Definition of data Processing ,Types of Data Processing and Data retrieval Methods
	2 nd	Algorithms and Pseudo code
	3 rd	Generation of Programming language and structured programming language
	4 th	Flowchart and Examples of Problem solving using Flowchart
8 th	1 st	Examples of Problem solving using Flowchart
	2 nd	Introduction to C,Preprocessor,Character set and Keywords
	3 rd	Constants,variables and data Types in C
	4 th	Managing Input –Output Operation with different Conversions
9 th	1 st	Definition and types of Operator
	2 nd	Evaluation of Expression,Types Conversions in Expressions
	3 rd	Operator Precedence and Associativity and Type casting
	4 th	Decision Control and Looping Statements,Branching Statement and Types of IF statements
10 th	1 st	Program using simple If,If-else,Nested –If and Ladder –If statement
	2 nd	Concepts of switch and conditional operator with Program
	3 rd	Looping statements:while and do-while statement,program to illustrate the concept of while and do-while statement
	4 th	Concept of for loop and Nested for loop with program to illustrate the concept of for loop and nested for loop
11 th	1 st	Concept of jumping statement
	2 nd	Programs on control statements and mathematical Computations
	3 rd	Programs on control statements and mathematical Computations
	4 th	Definition,Declaring and accessing a function
12 th	1 st	Concept of Recursion ,Types of parameter passing
	2 nd	Call by value and Call by reference
	3 rd	Calling Function with array and Passing Array to function
	4 th	Features of Library function and standard C library

13 th	1 st	Scope of Variable and storage classes
	2 nd	One dimensional array and multidimensional array
	3 rd	String operations and string handling functions
	4 th	Pointer ,pointer Expression and pointer arithmetic
14 th	1 st	Pointers and one dimensional array
	2 nd	Pointer to pointer and pointer to functions
	3 rd	Definition of structure and Union
	4 th	Relationship Between array and structure
15 th	1 st	Defining ,Declaring ,size and Initialization of a union
	2 nd	Difference between Array ,structure and union
	3 rd	Program using Call by value and call by Reference
	4 th	Program on one dimensional array and Multidimensional array
16 th	1 st	Discussion on String handling function
	2 nd	Previous Year question with answer discussion
	3 rd	Previous Year question with answer discussion
	4 th	Previous Year question with answer discussion


 Signature of faculty