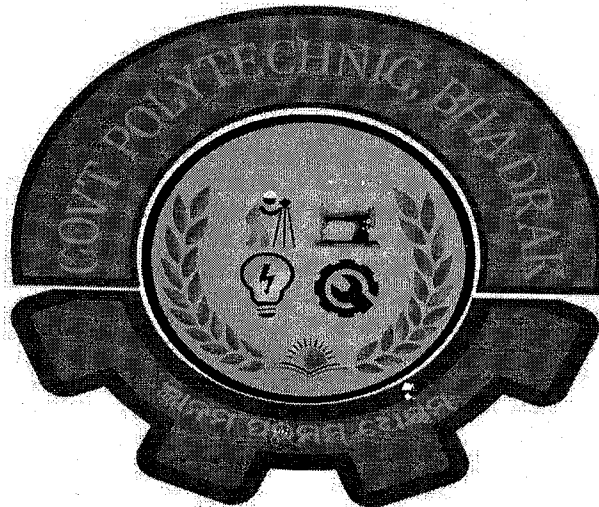# LESSON PLAN

SUB: COMPUTER APPLICATION

BRANCH:- ELECTRICAL ENGG.

SEMESTER:2ND

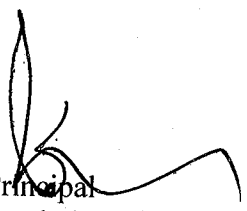### NAME OF FACULTY: Prafulla Kumar Munda(Lect.in CSE)

GOVERNMENT POLYTECHNIC, BHADRAK
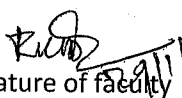
SESSION - 2023-24

Hod ,Math&Sc

Academic Co-ordinator

Principal
Govt. Polytechnic, Bhadrak

Discipline: Electrical Engg.	Semester: 2nd	Name of the Teaching Faculty : Prafulla Kumar Munda	
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: 16	

Week	Class Day	Theory
1st	1st	Introduction to Computer
	2nd	Evaluation of Computer
	3rd	Generation of Computer
	4th	Classification of Computer
2nd	1st	Basic Organisation of Computer,Input Devices and Output devices
	2nd	Computer Memory and Classification of Memory
	3rd	Software Concepts,System software and Application Software
	4th	Overview of Operating System,Objective and Function of Operating System
3rd	1st	Types of Operating System
	2nd	Features of DOS,WINDOWS & UNIX
	3rd	Programming Languages
	4th	Discussion on Compiler and Interpreter
4th	1st	Computer Virus and Types of Computer Virus,Detection and Prevention of virus
	2nd	Application of Computers in different domains and previous year question discussion of chapter1 andchapter2
	3rd	Networking concept,definition of protocol and connecting media
	4th	Data Transmission Mode
5th	1st	Network Topology and Different types of Topology
	2nd	Network and types of Network
	3rd	Networking Devices (Hub,Repeater,Switch,Bridge,Router,Gateway and NIC)
	4th	Internet Services and Different Protocol
6th	1st	Different Types of Internet Connectivity and ISP
	2nd	Concepts of File and Folder and Unit of storage
	3rd	File Access Methods
	4th	Data Capture and Data storage

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

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

Signature of faculty