

# LESSON PLAN

SUB: COMPUTER APPLICATION

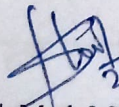
BRANCH:- TEXTILE ENGG.

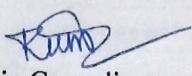
SEMESTER:1<sup>ST</sup>

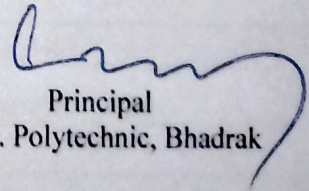
NAME OF FACULTY: Prafulla Kumar Munda(Lect.in CSE)



**GOVERNMENT POLYTECHNIC,  
BHADRAK**

  
Hod., Math & Sc

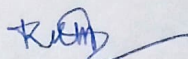
  
Academic Co-ordinator

  
Principal  
Govt. Polytechnic, Bhadrak

Discipline: Textile Engg.	Semester: 1 <sup>st</sup>	Name of the Teaching Faculty : Prafulla Kumar Munda
Subject: Computer Application	No. of Days/per week class allotted:4	Semester from date: 25.10.2022 To Date: 30.01.2023  No. of Weeks:16
Week	Class Day	Theory
1 <sup>st</sup>	1 <sup>st</sup>	Introduction to Computer
	2 <sup>nd</sup>	Evaluation of Computer
	3 <sup>rd</sup>	Generation of Computer
	4 <sup>th</sup>	Classification of Computer
2 <sup>nd</sup>	1 <sup>st</sup>	Basic Organisation of Computer, Input Devices and Output devices
	2 <sup>nd</sup>	Computer Memory and Classification of Memory
	3 <sup>rd</sup>	Software Concepts, System software and Application Software
	4 <sup>th</sup>	Overview of Operating System, Objective and Function of Operating System
3 <sup>rd</sup>	1 <sup>st</sup>	Types of Operating System
	2 <sup>nd</sup>	Features of DOS, WINDOWS & UNIX
	3 <sup>rd</sup>	Programming Languages
	4 <sup>th</sup>	Discussion on Compiler and Interpreter
4 <sup>th</sup>	1 <sup>st</sup>	Computer Virus and Types of Computer Virus, Detection and Prevention of virus
	2 <sup>nd</sup>	Application of Computers in different domains and previous year question discussion of chapter 1 and chapter 2
	3 <sup>rd</sup>	Networking concept, definition of protocol and connecting media
	4 <sup>th</sup>	Data Transmission Mode
5 <sup>th</sup>	1 <sup>st</sup>	Network Topology and Different types of Topology
	2 <sup>nd</sup>	Network and types of Network
	3 <sup>rd</sup>	Networking Devices (Hub, Repeater, Switch, Bridge, Router, Gateway and NIC)
	4 <sup>th</sup>	Internet Services and Different Protocol
6 <sup>th</sup>	1 <sup>st</sup>	Different Types of Internet Connectivity and ISP
	2 <sup>nd</sup>	Concepts of File and Folder and Unit of storage
	3 <sup>rd</sup>	File Access Methods
	4 <sup>th</sup>	Data Capture and Data storage

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

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



Signature of faculty