

# LESSON PLAN

**SUB: COMPUTER APPLICATION PRACTICAL**

**BRANCH:- ELECTRICAL ENGG.**

**SEMESTER:2<sup>ND</sup>**

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

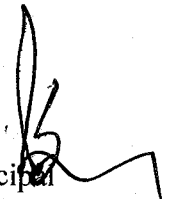


**GOVERNMENT POLYTECHNIC,  
BHADRAK**

**SESSION :- 2023-24**

  
Hod, Math & Sc


  
Academic Co-ordinator

  
Principal  
Govt. Polytechnic, Bhadrak

<b>Discipline:</b> Electrical Engg.	<b>Semester:</b> 2 <sup>nd</sup>	<b>Name of the Teaching Faculty :</b> Prafulla Kumar Munda
<b>Subject: Computer Application Practical</b>	<b>No. of Days/per week class allotted:4</b>	<b>Semester from date: 29.01.2024 To Date: 14.05.2024</b>
		<b>No. of Weeks:16</b>
<b>Week</b>	<b>Class Day</b>	<b>Practical</b>
1 <sup>st</sup>	1 <sup>st</sup>	Identification of Components of Computer
	2 <sup>nd</sup>	Booting Process, switch ON, Shutdown and restart of Computer.
	3 <sup>rd</sup>	Components and Information of keyboard
	4 <sup>th</sup>	Identification of types of Cabinet and front and back panel of cabinet
2 <sup>nd</sup>	1 <sup>st</sup>	To identify different power supply, form factor of personal Computer
	2 <sup>nd</sup>	To identify different components and different ports present in motherboard
	3 <sup>rd</sup>	To identify different components and different ports present in motherboard
	4 <sup>th</sup>	Form factor, chipset and processor socket
3 <sup>rd</sup>	1 <sup>st</sup>	To identify different types of connection in motherboard
	2 <sup>nd</sup>	To identify different types of connection in motherboard
	3 <sup>rd</sup>	To identify cooling fan in motherboard and system
	4 <sup>th</sup>	To study about RAM and ROM
4 <sup>th</sup>	1 <sup>st</sup>	Expansion slot present in the system
	2 <sup>nd</sup>	SATA AND PATA connection
	3 <sup>rd</sup>	To study about different types of adapter and converters
	4 <sup>th</sup>	Study about assembling different parts of computer
5 <sup>th</sup>	1 <sup>st</sup>	To study about different types of safety measures
	2 <sup>nd</sup>	To study about different types of power fluctuation and power protection devices
	3 <sup>rd</sup>	The procedure for proper disposal or recycling of hazardous computer
	4 <sup>th</sup>	Study of general lab tools, disk management tool
6 <sup>th</sup>	1 <sup>st</sup>	To study about basic DOS commands

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

29/11/2024