



ACADEMIC LESSION PLAN FOR SUMMER SEMESTER - 2024

Govt. Polytechnic , Balasore.

Name of the Faculty : Er. Kaushik Murmu LECT.(CSE)

COMPUTER APPLICATION

Course Code : TH.1b			
Theory : 4 P/W		Class Test :	20 Marks
Total Periods : 60 P/ Sem		End Semester Exam :	80 Marks
Examination : 3 Hours		TOTAL MARKS :	100 Marks
Sem : 2 nd Civil ENGG.		Start :	29th Jan 2024

WEEK	PERIOD	TOPIC
1 st	1 st	COMPUTER ORGANISATION: Introduction to computer,Evolution,Generation of Computers
	2 nd	Classification of Computers
	3 rd	Basic Organisation of Computers(Functional block diagram)
	4 th	Input devices,CPU & output devices
2 nd	1 st	Computer Memory And Classification of Memory
	2 nd	COMPUTER SOFTWARE: Software concept.system software,Application software
	3 rd	Over view of operating system Objectives and Functions of OS
	4 th	Types of OS:Batch processing,multiprogramming,Time sharing OS
3 rd	1 st	Features of DOS,Windows and UNIX
	2 nd	Programming Languages
	3 rd	Compiler,Interpreter
	4 th	Computer Virus,Different Type Of Computer Virus,Detection and prevention of Virus ,Application Of Computers In Different Domain
4 th	1 st	COMPUTER NETWORK AND INTERNET Networking concept,Protocol
	2 nd	Connecting Media
	3 rd	Data Transmission Mode
	4 th	Network Topologies
5 th	1 st	Types of Network
	2 nd	Networking Devices Like Hub,Repeater,Switch,Bridge,Router,Gateway
	3 rd	Internet Services Like E-mail,WWW,FTP,Chatting,Internet Conferencing,Electronic Newspaper & Online Shopping
	4 th	Different types of Internet Connectivity and ISP
6 th	1 st	FILE MANAGEMENT AND DATA PROCESSING Concept Of File and Folder
	2 nd	File Access and Storage Methods:sequential,Direct
	3 rd	ISAM Methods
	4 th	Data Capture,Data Storage
7 th	1 st	Data Processing and Retrieval
	2 nd	PROBLEM SOLVING METHODOLOGY

		Algorithm Examples
	3 rd	Pseudo code
	4 th	Flowchart Generation of Programming Languages
8 th	1 st	Structured Programming Language
	2 nd	Examples of Problem Solving through Flowchart
	3 rd	OVER VIEW OF C PROGRAMMING LANGUAGE Structure of a C Program
	4 th	Constants, Variables
9 th	1 st	Data Types in C
	2 nd	Managing Input and Output Operations
	3 rd	Operators, Expressions
	4 th	Type Conversion and Type Casting
10 th	1 st	Decision Control Statements IF, IF-ELSE
	2 nd	IF-ELSE-IF
	3 rd	Programming Above Features
	4 th	Looping Statements While, Do-While
11 th	1 st	For loop
	2 nd	Programming Above Features
	3 rd	Programming Above Features
	4 th	Continue and Goto
12 th	1 st	Programming Assignments using above Features
	2 nd	ADVANCED FEATURES OF C Functions
	3 rd	Types Of Functions
	4 th	Passing Parameters to the Function(Call by value and Call by reference)
13 th	1 st	Scope of Variables and Storage Classes
	2 nd	Recursion Function
	3 rd	Types of Recursion
	4 th	One Dimensional Array
14 th	1 st	Multi Dimensional Array
	2 nd	String Operations and Pointers.
	3 rd	Pointer Expression
	4 th	Pointer Arithmetic Programming
15 th	1 st	Programming Assignments Using the Above Features
	2 nd	Programs
	3 rd	Structure
	4 th	Union(concepts)