LESSON PLAN

Discipline: Computer science	Semester: 1st	Name of the Teaching Faculty: PRIYABRATA SAHOO	
Subject: COMPUTER APPLICATION (Th-1b)	No of Days /per week class allotted:5	Semester From date: 31.10.2022	No of Weeks:15

Week	Class Day	Theory / Practical Topics	
1st	1st	**COMPUTER ORGANISATION:** Introduction to computer, Evolution, Generation of Computers	
	2nd	Classification of Computers	
	3rd	Basic Organization of Computers (Functional block diagram)	
	4th	Input devices,	
	5th	CPU & output devices	
2nd	1st	Computer Memory and Classification of Memory	
	2nd	**COMPUTER SOFTWARE:** Software concept: system software, Application software	
	3rd	Overview of operating system Objectives and Functions of OS	
	4th	Types of OS: Batch processing	
	5th	multiprogramming, Time sharing OS	
3rd	1st	Features of DOS	
	2nd	Features of Windows and UNIX	
	3rd	Programming Languages	
	4th	Compiler, Interpreter	
	5th	Doubt clearing class	
4th	1st	Computer Virus, Different Type Of Computer Virus, Detection and prevention of Virus ,Application Of Computers In Different Domain	
	2nd	**COMPUTER NETWORK AND INTERNET:** Networking concept, Protocol	
	3rd	Connecting Media	
	4th	Data Transmission Mode	
	5th	class test	
5th	1st	Network Topologies	
	2nd	Types of Networks	
	3rd	Networking Devices Like Hub, Repeater, Switch, Bridge, Router, Gateway	
	4th	Internet Services Like E-mail, WWW, FTP, Chatting,	
	5th	Internet Conferencing, Electronic Newspaper & Online Shopping	
6th	1st	Different types of Internet Connectivity and ISP	
	2nd	**FILE MANAGEMENT AND DATA PROCESSING:** Concept Of File and Folder	
	3rd	File Access and Storage Methods: sequential, Direct	
	4th	ISAM Methods,	

	5th	Data Capture, Data Storage
7th	1st	Data Processing and Retrieval
	2nd	**PROBELEM SOLVING METHODOLOGY:** Algorithm Examples
	3rd	Pseudo code
	4th	Flowchart
	5th	program practice
8th	1st	Generation of Programming Languages
	2nd	Structured Programming Language
	3rd	**OVER VIEW OF C PROGRAMMING LANGUAGE:** Structure of a C Program
	4th	Constants, Variables
	5th	Doubt clearing class
9th	1st	Data Types in C
	2nd	Managing Input Operations
	3rd	Managing Output Operations
	4th	Operators
	5th	Doubt clearing class
10th	1st	Expressions
	2nd	Type Conversion and Type Casting
	3rd	Decision Control Statements
	4th	IF,IF-ELSE
	5th	class test
11th	1st	IF-ELSE-IF, switch case
	2nd	Looping Statements While, Do-While
	3rd	For loop
	4th	Programming Above Features
	5th	
12th	1st	Continue and go to
	2nd	Programming Assignments using above Features
	3rd	**ADVANCED FEATURES OF C :**Functions
	4th	Types Of Functions
	5th	program practice
13th	1st	Passing Parameters to the Function (Call by value and Call by reference)
	2nd	Scope of Variables and Storage Classes
	3rd	Recursion Function
	4th	Array in C
	5th	Function Declarration
14th	1st	One Dimensional Array
	2nd	Multi-Dimensional Array
	3rd	String Operations and Pointers.
	4th	Pointer Expression
	5th	Program practice
	1st	Pointer Arithmetic Programming
	2nd	Pointer Arithmetic Programming Assignments Using the Above Features

15th	3rd	Structure
	4th	Union(concepts)
	5th	Doubt clearing class

Biswaranjan Swain

Signature of the Hod

Priyabrata Sahoo

Signature of the Faculty