LESSON PLAN

Discipline: Computer science	Semester: 1st	Name of the Teaching Faculty: PRIYABRATA SAHOO	
Subject: COMPUTER APPLICATION (Th-1b)	No of Days week class allotted:5	Semester From date: 16.08.2023 No of Weeks:12	
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,	
	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	Computer Virus, Different Type Of Computer Virus, Detection	
4th	1st	**COMPUTER NETWORK AND INTERNET:** Networking concept,	
	2nd	Connecting Media	
	3rd	Data Transmission Mode	
	4th	Network Topologies, Types of Network	
	5th	Networking Devices Like Hub, Repeater, Switch, Bridge, Router,	
5th	1st	Internet Services Like E-mail, WWW, FTP, Chatting,	
	2nd	Internet Conferencing, Electronic Newspaper & Online Shopping	
	3rd	Different types of Internet Connectivity and ISP	
	4th	**FILE MANAGEMENT AND DATA PROCESSING:** Concept Of File	
	5th	File Access and Storage Methods: sequential, Direct	
6th	1st	ISAM Methods, Data Capture ,Data Storage	
	2nd	**PROBELEM SOLVING METHODOLOGY:** Algorithm Examples	
	3rd	Pseudo code and Flow chart	
	4th	Generation of Programming Languages	
	5th	Structured Programming Language	
7th	1st	**OVER VIEW OF C PROGRAMMING LANGUAGE:** Structure of a C	
	2nd	Constants, Variables	
	3rd	Data Types in C	
	4th	Managing Input Operations	
	5th	Operators and Expression	
8th	1st	Type Conversion and Type Casting	
	2nd	Decision Control Statements	
	3rd	IF-ELSE , Programing	
	4th	if-else and switch case programing	
	5th	Looping Statements While, Do-While ,For loop	
9th	1st	Programming Assignments using above Features	
	2nd	**ADVANCED FEATURES OF C :**Functions	
	3rd	Types Of Functions ,passing parameter to the function	
	4th	Scope of Variables and Storage Classes	
	5th	Recursion Function	
10th	1st	Array in c	
	2nd	Function Declarration	
	3rd	One Dimensional Array	
	4th	Multi-Dimensional Array	
	5th	Pointer Expression	

	1st	Pointer Arithmetic Programming
	2nd	Pointer Arithmetic Programming Assignments Using the Above
11th	3rd	Programing Practice
	4th	Doubt Clearing class
	5th	String Operations
	1st	Pointer
	2nd	Structure
12th	3rd	Union(concepts)
	4th	String Operations and Pointers.
	5th	Class Test

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Biswaranjan Swain

Priyabrata Sahoo