LESSON PLAN:COMPUTER APPLICATION

Discipline : Mech. Engg	Semester : 1st	Name of the Teaching Faculty : Asit Ranjan Prusty
Subject : Computer Application(TH. 1a)	No.of days/Per weeks Class Alloted Weeks :4	Semester from date (25/10/2022 to 31/01/2023) No.of Weeks : 15

Weeks	Class day	Theory
1st	1st	Introduction to Computer
	2nd	Evolution of Computer,Generation Of Computer
	3rd	Classification Of Computer
	4th	Basic Organisation of Computer With Functional Block Diagram
2nd	1st	Input Devices,CPU ,Output Devices,Memory Classification
	2nd	Software concept, System software, Application software
	3rd	Overview of Operating System Objectives
	4th	Functions of O.S , Types of Operating System: Batch Processing, Multiprogramming, Time Sharing OS
3rd	1st	Features of DOS, Windows and UNIX
	2nd	Programming Languages Compiler, interpreter Computer Virus
	3rd	Different Types of computer virus
	4th	Detection and prevention of Virus
4th	1st	Application of computers in different Domain
	2nd	Networking concept, Protocol, Connecting Media, Date Transmission Mode
	3rd	Network Topologies, Types of Network
	4th	Networking Devices like Hub, Repeater, Switch, Bridge, Router, Gateway & NIC
5th	1st	Internet Services like E-Mail, WWW, FTP, Chatting,Internet Conferencing
	2nd	Class Test
	3rd	Electronic Newspaper & Online Shopping
	4th	Different types of Internet connectivity and ISP
6th	1st	Different types of Internet connectivity and ISP
	2nd	Concept of File and Folder
	3rd	File Access and Storage methods. Sequential, Direct, ISAM
	4th	File Access and Storage methods. Sequential, Direct, ISAM
7th	1st	Data Capture, Data storage
	2nd	Data Processing and Retrieval
	3rd	Algorithm, Pseudo code and Flowchart Generation of Programming Languages
	4th	Algorithm, Pseudo code and Flowchart Generation of Programming Languages
8th	1st	Internal Examination
	2nd	Structured Programming Language
	3rd	Examples of Problem solving through Flowchart
	4th	Constants, Variables and Data types in C
9th	1st	Constants, Variables and Data types in C
	2nd	Managing Input and Output operations.
	3rd	Operators, Expressions, Type conversion & Typecasting
	4th	Managing Input and Output operations.
10th	1st	Operators, Expressions, Type conversion & Typecasting
	2nd	Decision Control and Looping Statements

	3rd	(If, If-else, If-else-if, Switch, While)
	4th	Do while,For, Break, Continue & Goto)
11th	1st	Class Test
	2nd	Programming Assignments using the above features
	3rd	Programming Assignments using the above features
	4th	Programming Assignments using the above features
12th	1st	Programming Assignments using the above features
	2nd	Programming Assignments using the above features
	3rd	Functions and Passing Parameters to the Function (Call by Value)
	4th	Call By Reference)
13st	1st	Scope of Variables and Storage Classes
	2nd	Recursion Function and Types of Recursion
	3rd	One Dimensional Array and Multidimensional Array
	4th	String Operations and pointers
14th	1st	Programming Assignments using the above features
	2nd	Programming Assignments using the above features
	3rd	Programming Assignments using the above features
	4th	Programming Assignments using the above features
15th	1st	Programming Assignments using the above features
	2nd	Programming Assignments using the above features
	3rd	Structure &union Concepts
	4th	Structure &union Concepts

Almas

12/9/22

Lect.(Comp. Appl.)