KIIT POLYTECHNIC, BHUBANESWAR

LESSON PLAN

Session (2022-2023)

Discipline : Computer Sc. & Engg.	Semester: 2nd,Summer/2023	Name of the Faculty: Sunil Kumar Sahoo, Lecturer Email ID: sunilfcs@kp.kiit.ac.in
Subject: Computer Application. Theory- 01(b)	No. Of Days/Week: 04	Start Date : 20.03.2023 End Date : 27.06.2023

Week	Class Day	Theory Topics
1st	1st	Introduction to Computer and some terminology
	2nd	Evolution of Computers & Generation of Computers
	3rd	Classification of Computers
	4th	Basic Organization of Computer(Functional Block diagram)
2nd	1st	Input Devices and Output Devices.
	2nd	Classification of Memory
	3rd	Software concept, System software,Application software
	4th	Operating System and Functions ofO.S
3rd	1st	Types of Operating System
	2nd	Features of DOS, Windows andUNIX
	3rd	Programming Languages ,Compiler& interpreter
	4th	Computer Virus Types of computer virus Detection and prevention of Virus
4th	1st	**Video content class using NPTEL Reference**
	2nd	Computer network & internet
	3rd	Networking concept, Types of Network
	4th	Protocol, Connecting Media
5th	1st	Network Topologies
	2nd	Date Transmission mode
	3rd	Different types of Internetconnectivity &ISP
	4th	Networking Devices
6th	1st	Internet Services like E-Mail, WWW,FTP, Chatting, Internet Conferencing, Electronic Newspaper & OnlineShopping
	2nd	**Doubt clearing class**
	3rd	File management & data processing Concept of File and Folder
	4th	File operation

7th	1st	File Access methods--Sequential,Direct, ISAM
	2nd	File Storage methods
	3rd	Data Capture, Data storageData Processing
	4th	**Quiz Test- 1**
8th	1st	Problem solving methodology Algorithm, Pseudo code & flowchart
	2nd	Problem solving through Algorithm
	3rd	Generation of ProgrammingLanguages
	4th	Structured Programming Language
9th	1st	Problem solving through Flowchart
	2nd	Overview of c programming language Introduction to C program
	3rd	Constants, Variables
	4th	Data types in C
10th	1st	Managing Input and Outputoperations and header files
	2nd	Structure of a typical C program
	3rd	Operators
	4th	Programs related to operator andsimple concept.
11th	1st	Type conversion & Typecasting
	2nd	Programs related to above concept.
	3rd	Decision Control statement in C
	4th	Programs related to Control statement
12th	1st	Programs related to Control statementcontd..
	2nd	Looping Statements in C
	3rd	Programs related to loop
	4th	Programs related to loop contd..
13th	1st	**Smart Class using NPTEL Reference**
	2nd	Advanced features of c array
	3rd	One Dimensional Array & Multidimensional Array
	4th	Programs in Array.
13th	1st	String and string operation
	2nd	Function
	3rd	Passing Parameters to the Function(Call by Value and Call by Reference)
	4th	Programs using Function.
14th	1st	Recursion Function and Types of Recursion
	2nd	Programs using recursion in function.
	3rd	Scope of Variables
	4th	Storage Classes
15th	1st	Program using static, extern and auto variable
	2nd	Pointers
	3rd	**Quiz Test-2**
	4th	**Practice test**