

LESSON PLAN

Discipline: Civil & Mechanical	Semester: First	Name of the Teaching Faculty: K.K. Chapeyar, I/c Sr. Lecturer(CSE).
Subject: Th.1b Computer Application	No. of days class allotted/week: 04	Semester from date: 25/10/2022 to 31/01/2023 No. of weeks: 15
Week	Class Day	Theory
1ST	1st	Introduction to Computer & Evolution of Computers
	2nd	Generation of Computers
	3rd	Classification of Computers
	4th	Basic Organisation of Computer (Functional Block diagram) Input Devices, CPU & Output Devices.
2ND	1st	Computer Memory and Classification of Memory
	2nd	Software concept, System software, Application software
	3rd	Overview of Operating System Objectives and Functions of O.S.
	4th	Types of Operating System: Batch Processing, Multiprogramming, Time Sharing OS
3RD	1st	Features of DOS, Windows and UNIX
	2nd	Programming Languages Compiler, interpreter
	3rd	Computer Virus, Different Types of computer virus
	4th	Detection and prevention of Virus, Application of computers in different Domain
4TH	1st	Networking concept, Protocol,
	2nd	Connecting Media
	3rd	Data Transmission mode
	4th	Network Topologies
5TH	1st	Types of Network
	2nd	Networking Devices like Hub, Repeater, Switch, Bridge, Router, Gateway & NIC
	3rd	Internet Services like E-Mail, WWW, FTP, Chatting, Internet Conferencing, Electronic Newspaper & Online Shopping
	4th	Different types of Internet connectivity and ISP
6TH	1st	Concept of File and Folder
	2nd	File Access and Storage methods. Sequential, Direct, ISAM
	3rd	Data Capture
	4th	Data storage
7TH	1st	Data Processing and Retrieval
	2nd	Algorithm, Pseudo code and Flowchart
	3rd	Generation of Programming Languages
	4th	Structured Programming Language
8TH	1st	Examples of Problem solving through Flowchart
	2nd	Examples of Problem solving through Flowchart
	3rd	Introduction to C Programming
	4th	Structure of a C program
9TH	1st	Tokens in C: Character, Keyword, Datatype
	2nd	Constant in C
	3rd	Variable declaration and initialization
	4th	Managing Input-Output(I/O) Operations
10TH	1st	Operators in C
	2nd	Typecasting:
	3rd	Operator Precedence and Associativity

	4 th	Decision Control statement: if, if..else, nested if
11 TH	1 st	Decision Control statement:if else ladder, switch statement
	2 nd	Looping or iteration statements: while, do while
	3 rd	Looping or iteration statements: for, nested for
	4 th	Jumping statements: goto, break, continue
12 TH	1 st	Jumping statements : break, continue
	2 nd	Fuction: Function declaration, function definition
	3 rd	Accessing a function, Formal Arguments, Actual Arguments
	4 th	Passing parameters to the function:Call by value, Call by reference
13 TH	1 st	Function recursion
	2 nd	Storage classes
	3 rd	Array: Array declaration and definition 1D, Accessing elements of an array
	4 th	Multidimensional Array
14 TH	1 st	Strings, strings constants
	2 nd	Strings library function
	3 rd	Pointers: Declaration and initialization
	4 th	Pointer Expression and Arithmetic
15 TH	1 st	Programming Assignment using Pointers
	2 nd	Programming Assignment using Pointers
	3 rd	Structure: declaration and Definition
	4 th	Union: Declaration and Definition

Syllabus coverage upto I.A

Chapter- 1,2,3,4

Books Recommended

1. Computer Fundamentals and Programming in C by Reema Theraja, Oxford University Press
2. Programming in ANSI C by A.N. Kamthane, Pearson Education
3. Computer Application by Kalyani Publisher
4. Let us C by Y. Kanetkar, BPB
5. Computer Fundamental by E. Balaguruswamy, TMH