

Discipline: Civil & Mechanical Engg	Semester: First(1 st)	Name of the Faculty: Er .
Subject: Computer Application	No. of days/week class allotted: Five(5)	Semester from Date: 25 .10.22 to Date: 31.01.23 No. of Weeks: 15
WEEK	CLASS DAY	THEORY TOPICS
1 st	1 st	Introduction to Computer
	2 nd	Evolution of Computers
	3 rd	Cont.....
	4 th	Generation of Computers
	5 th	Cont....
2 nd	1 st	Classification of Computers
	2 nd	Cont.....
	3 rd	Basic Organization of Computer (Functional Block diagram)
	4 th	Input Devices, CPU & Output Devices.
	5 th	Computer Memory and Classification of Memory
3 rd	1 st	Review Class
	2 nd	Introduction of Software Concept
	3 rd	System software, Application software
	4 th	Overview of Operating System
	5 th	Objectives and Functions of O.S
4 th	1 st	Types of Operating System: Batch Processing,
	2 nd	Multiprogramming, Time Sharing OS
	3 rd	Features of DOS, Windows and UNIX
	4 th	Monthly Test
	5 th	Programming Languages Compiler, interpreter
	1 st	Computer Virus
	2 nd	Different Types of computer virus

5 th	3 rd	Detection and prevention of Virus
	4 th	Application of computers in different Domain
	5 th	Review Class
6 th	1 st	Introduction To Networking Concept
	2 nd	Protocol, Connecting Media, Data Transmission mode
	3 rd	Network Topologies
	4 th	Cont.....
	5 th	Types of Networks
7 th	1 st	Networking Devices like Hub, Repeater, Switch, Bridge
	2 nd	Router, Gateway & NIC
	3 rd	Internet Services like E-Mail, WWW, FTP, Chatting
	4 th	Internet Conferencing, Electronic Newspaper & Online Shopping
	5 th	Monthly Test
8 th	1 st	Different types of Internet connectivity
	2 nd	ISP
	3 rd	Review Class
	4 th	Introduction to Concept of File and Folder
	5 th	File Access and Storage methods. Sequential,
9 th	1 st	Direct, ISAM
	2 nd	Data Capture, Data storage
	3 rd	Data Processing and Retrieval
	4 th	Review Class
	5 th	Introduction to Algorithm
10 th	1 st	Pseudo code and Flowchart
	2 nd	Generation of Programming Languages
	3 rd	Structured Programming Language

	4 th	Monthly Test
	5 th	Examples of Problem solving through Flowchart
11 th	1 st	Review Class
	2 nd	Introduction to Constants and Variables
	3 rd	Data types in C
	4 th	Managing Input and Output operations.
	5 th	Operators, Expressions,
12 th	1 st	Type conversion
	2 nd	Typecasting
	3 rd	Decision Control and Looping Statements (If, If-else, If-else-if, Switch While
	4 th	Do-while, For, Break, Continue & Goto
	5 th	Review Class
13 th	1 st	Introduction to advance features of C
	2 nd	Functions
	3 rd	Passing Parameters to the Function (Call by Value)
	4 th	Passing Parameters to the Function (Call by Reference)
	5 th	Scope of Variables, Storage Classes
14 th	1 st	Recursion Function, Types of Recursion
	2 nd	One Dimensional Array
	3 rd	Monthly Test
	4 th	Multidimensional Array
	5 th	String Operations
15 th	1 st	Pointers, Pointer Expression
	2 nd	Pointer Arithmetic
	3 rd	Programming Assignments using pointer
	4 th	Structure & Union
	5 th	Review Class

