

Lesson Plan

Name of the Faculty :- Rekha Jangir

Discipline :- Computer Engineering

Semester :- 1st

Subject :- FIT

Lesson Plan Duration :- 15 weeks

Work Load (Lecture/Practical) per Week (In Hours):- Lecture - **02**, Practical - **04**

WEEK	THEORY		PRACTICAL	
	Lect	TOPIC	Pract.	TOPIC
1 st	1	Brief history of development of computers	1	Browser features, browsing, using various search engines, writing search queries
	2	Definition of Computer, Block diagram of a Computer Hardware, Software, Booting: Cold and Hot Booting		
2 nd	3	Interaction between the CPU and Memory with Input/Output devices	2	Visit various e-governance/Digital India portals, understand their features, services offered
	4	Function of CPU and major functional parts of CPU Memory, Bit, Nibble, Byte, KB, MB, GB, TB, PB		
3 rd	5	Functions of memory Use of storage devices in a computer	3	Read Wikipedia pages on computer hardware components, look at those components in lab, identify them, recognize various ports/interfaces and related cables, etc
	6	List types of memory used in a computer		
4 th	7	Importance of cache memory, CPU speed and CPU word length	4	Using Administrative Tools/Control Panel Settings of Operating Systems

	8	Revision unit -1		
5 th	9	Understanding browser, Introduction to WWW , efficient use of search engines Awareness about Digital India portals (state and national portals) and college portals	5	Connect various peripherals (printer, scanner, etc.) to computer, explore various features of peripheral and their device driver software.
	10	Advantages of Email, Various email service providers, Creation of email i sending and receiving emails, attaching documents with email and drive.		
6 th	11	Effective use of Gmail, G-Drive, Google Calendar, Google Sites, Google Sheets Online mode of communication using Google Meet & WebEx.	6	Explore features of Open Office tools and MS-Office, create documents, create presentation, create spread sheet, using these features, do it multiple times
	12	REVISION UNIT -2		
7 th	13	Introduction to Programming, Steps involved in problem solving, Definition of Algorithm,	7	Working with Conversion Software like pdf To Word, Word To PPT, etc.
	14	Definition of Flowchart, Steps involved in algorithm development,		
8 th	15	differentiate algorithm and flowchart Symbols used in flowcharts	8	Working with Mobile Applications – Searching for Authentic Mobile app, Installation and Settings, Govt. of India Mobile Application

	16	algorithms for simple problems, flowcharts for simple problems, Practice logic building using flowchart/algorithms		
9 th	17	REVISION UNIT - 3	9	Creating email id, sending and receiving mails with attachments
	18	Office Tools like LibreOffice/OpenOffice/MSOffice.		
10 th	19	OpenOffice Writer – Typesetting Text and Basic Formatting, Inserting Images, Hyperlinks,	10	Using Google drive, Google calendar
	20	Bookmarks, Tables and Table Properties in Writer Introducing LibreOffice/OpenOffice		
	21	Working with Cells, Sheets, data, tables, using formulae and functions, using charts and graphics.	11	Create Flow chart and Algorithm for the following a. Addition of n numbers and display result b. To convert temperature from Celsius to Fahrenheit c. To find Area and Perimeter of Square d. Swap Two Numbers
	22	OpenOffice Impress – Creating and Viewing Presentations, Inserting Pictures and Tables, Slide Master and Slide Design, Custom Animation.		
	23	REVISION UNIT - 4	12	e. find the smallest of two numbers f. Find whether given number is Even or Odd g. To print first n even Numbers h. find sum of series
	24	Introduction to Digital Marketing – Why Digital Marketing		

	25	Characteristics of Digital Marketing, Tools for Digital Marketing	13	i. print multiplication Table of a number j. generate first n Fibonacci terms 0,1,1,2,3,5...n (n>2) k. sum and average of given series of number
	26	Effective use of Social Media like LinkedIn Google+, Facebook, Twitter, etc		
	27	: Features of Social media, Advantages and Disadvantages of	14	l. Factorial of number n ($n!=1 \times 2 \times 3 \times \dots \times n$) m. Armstrong Number n. Find whether given
	28	Social Media		
15 th	29	Revision unit-5	15	Revision
	30	Revision		