Lesson Plan

Name of the Faculty : -   Vikash Dahiya
Discipline   : -   Mechanical Engineering
Semester   : -   1st
Subject   : -   FIT
Lesson Plan Duration : -   16 weeks
Work Load (Lecture/Practical) per Week (In Hours):- Lecture - **02**, Practical - **04**

WEEK	THEORY		PRACTICAL	
	LECTURE DAY	TOPIC (including assignment/test)	PRACTICAL DAY	TOPIC
1st	1	Brief history of development of computers	1st Group-1	Browser features, browsing, using various search engines, writing search queries
	2	Definition of Computer, Block diagram of a Cmputer Hardware, Software, Booting: Cold and Hot Booting	2nd Group-2	Browser features, browsing, using various search engines, writing search queries
2nd	**3**	Interaction between the CPU and Memory with Input/Output devices	**3rd Group-1**	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	4th Group-2	Visit various e-governance/Digital India portals, understand their features, services offered
3rd	5	Functions of memory Use of storage devices in a Computer	5th Group-1	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	6th Group-2	Read Wikipedia pages on computer hardware components, look at those components in lab, identify them, recognize various ports/interfaces and related cables, etc
4th	7	Importance of cache memory, CPU speed and CPU word length	7th Group-1	Using Administrative Tools/Control Panel Settings of Operating Systems

	8	Revision unit -1	8th Group-2	Using Administrative Tools/Control Panel Settings of Operating Systems
5th	9	Understanding browser, Introduction to WWW , efficient use of search engines Awareness about Digital India portals (state and national portals) and college portals	9th Group-1	Connect various peripherals (printer, scanner, etc.) to computer, explore various featuresof 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.d	10th Group-2	Connect various peripherals (printer, scanner, etc.) to computer, explore various featuresof peripheral and their device driver software.
6th	11	Effective use of Gmail, G-Drive, Google Calendar, Google Sites, Google Sheets Online mode of communication using Google Meet & WebEx.	11th Group-1	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	12th Group-2	Explore features of Open Office tools and MS-Office, create documents, create presentation, create spread sheet, using these features, do it multiple times
7th	13	Introduction to Programming, Steps involved in problem solving, Definition of Algorithm,	13th Group-1	Working with Conversion Software like pdf To Word, Word To PPT, etc.
	14	Definition of Flowchart, Steps involved in algorithm development,	14th Group-1	Working with Conversion Software like pdf To Word, Word To PPT, etc.
8th	15	differentiate algorithm and flowchart Symbols used in flowcharts	15th Group-1	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	16th Group-2	Working with Mobile Applications – Searching for Authentic Mobile app, Installation and Settings, Govt. of India Mobile Application
9th	17	REVISION UNIT - 3	17th Group-1	Creating email id, sending and receiving mails with attachments
	18	Office Tools like LibreOffice/OpenOffice/MSOffice.	18th Group-2	Creating email id, sending and receiving mails with attachments
10th	19	OpenOffice Writer – Typesetting Text and Basic Formatting, Inserting Images, Hyperlinks,	19th Group-1	Using Google drive, Google calendar
	20	Bookmarks, Tables and Table Properties in Writer Introducing LibreOffice/OpenOffice Calc	20th Group-2	Using Google drive, Google calendar
11th	21	Working with Cells, Sheets, data, tables, using formulae and functions, using charts and graphics.	21st Group-1	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.	22nd Group-2	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
12th	23	REVISION UNIT - 4	23rd Group-1	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 1+2+3+…..+N
	24	Introduction to Digital Marketing – Why Digital Marketing	24th Group-2	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 1+2+3+…..+N
13th	25	Characteristics of Digital Marketing, Tools for Digital Marketing	25th Group-1	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	26th Group-2	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
14th	27	: Features of Social media, Advantages and Disadvantages of	27th Group-1	l. Factorial of number n (n!=1x2x3x…n) m. Armstrong Number n. Find whether given number is Prime or not
	28	Social Media	28th Group-2	l. Factorial of number n (n!=1x2x3x…n) m. Armstrong Number n. Find whether given number is Prime or not
15th	29	Revision unit-5	29th Group-1	**Revision**
	30	**Revision**	30th Group-2	**Revision**
16th	31	**Revision**	31th Group-1	**viva**
	32	Revision	32nd Group-1	**viva**