

## Lesson Plan

**Name of the Faculty** : - Sandeep Mudgil  
**Discipline** : - Computer 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
1 <sup>st</sup>	1	Brief history of development of computers	1 <sup>st</sup> Group-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		Browser features, browsing, using various search engines, writing search queries
2 <sup>nd</sup>	3	Interaction between the CPU and Memory with Input/Output devices	3 <sup>rd</sup> 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		Visit various e-governance/Digital India portals, understand their features, services offered
3 <sup>rd</sup>	5	Functions of memory Use of storage devices in a Computer	5 <sup>th</sup> 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	6 <sup>th</sup> 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
4 <sup>th</sup>	7	Importance of cache memory, CPU speed and CPU word length	7 <sup>th</sup> Group-1	Using Administrative Tools/Control Panel Settings of Operating Systems

	8	Revision unit -1	8 <sup>th</sup> Group-2	Using Administrative Tools/Control Panel Settings of Operating Systems
5 <sup>th</sup>	9	Understanding browser, Introduction to WWW , efficient use of search engines Awareness about Digital India portals (state and national portals) and college portals	9 <sup>th</sup> Group-1	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 in sending and receiving emails, attaching documents with email and drive.d	10 <sup>th</sup> Group-2	Connect various peripherals (printer, scanner, etc.) to computer, explore various features of peripheral and their device driver software.
6 <sup>th</sup>	11	Effective use of Gmail, G-Drive, Google Calendar, Google Sites, Google Sheets Online mode of communication using Google Meet & WebEx.	11 <sup>th</sup> 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	12 <sup>th</sup> 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
7 <sup>th</sup>	13	Introduction to Programming, Steps involved in problem solving, Definition of Algorithm,	13 <sup>th</sup> Group-1	Working with Conversion Software like pdf To Word, Word To PPT, etc.
	14	Definition of Flowchart, Steps involved in algorithm development,	14 <sup>th</sup> Group-1	Working with Conversion Software like pdf To Word, Word To PPT, etc.
8 <sup>th</sup>	15	differentiate algorithm and flowchart Symbols used in flowcharts	15 <sup>th</sup> 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	16 <sup>th</sup> Group-2	Working with Mobile Applications – Searching for Authentic Mobile app, Installation and Settings, Govt. of India Mobile Application
9 <sup>th</sup>	17	REVISION UNIT - 3	17 <sup>th</sup> Group-1	Creating email id, sending and receiving mails with attachments
	18	Office Tools like LibreOffice/OpenOffice/MSOffice.	18 <sup>th</sup> Group-2	Creating email id, sending and receiving mails with attachments
10 <sup>th</sup>	19	OpenOffice Writer – Typesetting Text and Basic Formatting, Inserting Images, Hyperlinks,	19 <sup>th</sup> Group-1	Using Google drive, Google calendar
	20	Bookmarks, Tables and Table Properties in Writer Introducing LibreOffice/OpenOffice Calc	20 <sup>th</sup> Group-2	Using Google drive, Google calendar
11 <sup>th</sup>	21	Working with Cells, Sheets, data, tables, using formulae and functions, using charts and graphics.	21 <sup>st</sup> 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.	22 <sup>nd</sup> 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
12 <sup>th</sup>	23	REVISION UNIT - 4	23 <sup>rd</sup> 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	24 <sup>th</sup> 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 $1+2+3+\dots+N$
13 <sup>th</sup>	25	Characteristics of Digital Marketing, Tools for Digital Marketing	25 <sup>th</sup> Group-1	i. print multiplication Table of a number j. generate first n Fibonacci terms $0,1,1,2,3,5,\dots,n$ ( $n>2$ ) k. sum and average of given series of number
	26	Effective use of Social Media like LinkedIn Google+, Facebook, Twitter, etc	26 <sup>th</sup> Group-2	i. print multiplication Table of a number j. generate first n Fibonacci terms $0,1,1,2,3,5,\dots,n$ ( $n>2$ ) k. sum and average of given series of number
14 <sup>th</sup>	27	: Features of Social media, Advantages and Disadvantages of	27 <sup>th</sup> Group-1	l. Factorial of number n ( $n!=1\times 2\times 3\times\dots\times n$ ) m. Armstrong Number n. Find whether given number is Prime or not
	28	Social Media	28 <sup>th</sup> Group-2	l. Factorial of number n ( $n!=1\times 2\times 3\times\dots\times n$ ) m. Armstrong Number n. Find whether given number is Prime or not
15 <sup>th</sup>	29	Revision unit-5	29 <sup>th</sup> Group-1	<b>Revision</b>
	30	<b>Revision</b>	30 <sup>th</sup> Group-2	<b>Revision</b>
16 <sup>th</sup>	31	<b>Revision</b>	31 <sup>th</sup> Group-1	<b>viva</b>
	32	Revision	32 <sup>nd</sup> Group-1	<b>viva</b>