

ELECTRONICS AND COMMUNICATION DEPARTMENT

Lesson Plan (1ST Semester)
Semester- 1st

Session: Odd Semester

Subject : FIT

Lesson Plan Duration : work Load (Lecture/ Practical) per week (in hours): 02 hours (Theory) +08hours (04 Hours*2 Groups) (PRACTICAL)							
Name of the Faculty: Sh. Rajesh Kumar				Discipline: Electronics and Communication Engg. Subject: FIT Semester: 1st			
Week	Theory		Practical	Week	Theory		Practical
	Lecture day	Topic (including assignment/ test)	Topic		Lecture day	Topic (including assignment/ test)	Topic
1 st	1	UNIT I Basics of Computer Brief history of development of computers, Definition of Computer, Block diagram of a Computer	Browser features, browsing, using various search engines, writing search queries	8 th	15	Symbols used in flowcharts, algorithms for simple problems, flowcharts for simple problems, Practice logic building using flowchart/algorithms	Working with Conversion Software like pdf To Word, Word To PPT, etc
	2	Hardware, Software, Booting: Cold and Hot Booting, Interaction between the CPU and Memory with Input/Output devices			16	UNIT IV Office Tools like LibreOffice/OpenOffice/MSOffice, OpenOffice Writer – Typesetting Text and Basic Formatting, Inserting Images, Hyperlinks, Bookmarks, Tables and Table Properties in Writer	
2 nd	3	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	9 th	17	Assignment No. 2	Working with Mobile Applications – Searching for Authentic Mobile app, Installation and Settings, Govt. of India Mobile Application
	4	Functions of memory, Use of storage devices in a Computer,			18	2 nd sessional test	
3 rd	5	List types of memory used in a Computer, Importance of cache memory, CPU speed and CPU word length	Read Wikipedia pages on computer hardware components, look at those	10 th	19	Introducing LibreOffice/OpenOffice Calc, Working with Cells, Sheets, data, tables, using formulae and functions, using charts and graphics.	Viva-Voice
	6	UNIT II Understanding browser, Introduction to WWW, efficient use of search engines	components in lab, identify them, recognize various ports/interfaces and related cables, etc.		20	OpenOffice Impress – Creating and Viewing Presentations, Inserting Pictures and Tables, Slide Master and Slide Design, Custom Animation.	

4 th	7	Awareness about Digital India portals (state and national portals) and college portals. Advantages of Email, Various email service providers	Viva- Voice	11 th	21	UNIT V Introduction to Digital Marketing – Why Digital Marketing, Characteristics of Digital Marketing,	Creating email id, sending and receiving mails with attachments.
	8	Creation of email id, sending and receiving emails, attaching documents with email and drive			22	Tools for Digital Marketing , Effective use of Social Media like LinkedIn	
5 th	9	Effective use of Gmail, G-Drive, Google Calendar, Google Sites, Google Sheets.	Using Administrative Tools/Control Panel Settings of Operating Systems	12 th	23	Google+, Facebook, Twitter	Using Google drive, Google calendar
	10	Online mode of communication using Google Meet & WebEx.			24	Features of Social media, Advantages and Disadvantages of Social Media	
6 th	11	Assignment No. 1	Connect various peripherals (printer, scanner, etc.) to computer, explore various features of peripheral and their device driver software.	13 th	25	Assignment No. 3	Create Flow chart and Algorithm for the following: 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 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
	12	1st sessional test			26	3rd sessional test	
7 th	13	UNIT III Introduction to Programming, Steps involved in problem solving	Explore features of Open Office tools and MS-Office, create documents, create	14 th	27	Revision	(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
	14	Definition of Algorithm, Definition of Flowchart, Steps involved in algorithm development, differentiate algorithm and flowchart.	presentation, create spread sheet, using these features, do it multiple times		28	Revision	average of given series of numbers 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.

