Lesson Plan

Name of faculty : Sh Ravinder Sheoran
Discipline : Computer Engineering
Semester : 1st year
Subject : Computer Fundamentals
Work Load (Lecture/ Practical) per week (in hours): Lectures-03   Practical- 0

Week	Theory		Practical	
	Lecture day	**Topic (including assignment / test)**	**Practical day**	**Topic**
1st	1st	**1. Fundamentals of Computer**(21 hrs) 1.1 Draw the block diagram of a Computer		-
	2nd	1.2. Explain the interaction between the CPU, Memory Input/ Output devices.		
	3rd	1.3. Describe the function of CPU and major functional parts of CPU.		
2nd	4th	1.4. Describe the function of memory.		-
	5th	1.5 Describe the function of input/output devices.		
	6th	1.6 State the relevance of speed and word length for CPU Performance.		
3rd	7th	1.7 Recognize the current family of CPUs used in Computers		-
	8th	1.8 State the use of storage devices used in a Computer.		
	9th	1.9 List types of memory used in a Computer.		
4th	10th	1.10 State the importance of cache memory.		-
	11th	1.11 Generations of computers.		
	12th	1.12 Classification of computers – based on size, processor.		
5th	13th	1.13 Know importance of binary number system for use in Digital Computers.		-
	14th	2. DOS & Windows Operating Systems (40 hrs) 2.1 Describe the need for an operating system		

	15th	2.2 List the various operating system used presently		
6th	16th	2.3 DOS Prompt, Types of Commands, Internal & External Commands		-
	17th	2.4 Directories and files , wild cards, autoexec.bat, config.says,		
	18th	2.5 List the features of Window desktop		
7th	19th	2.6 List the components of Window		-
	20th	2.7 State the function of each component of Window		
	21st	2.8 Explain the method of starting a program using start button		
8th	22nd	2.9 Understand maximize, minimize, restore down and close button		-
	23rd	2.10 State the meaning of a file		
	24th	FIRST ASSIGNMENT		
9th	25th	FIRST SESSIONAL		-
	26th	FIRST SESSIONAL		
	27th	FIRST SESSIONAL		
10th	28th	2.11 State the meaning of a folder .		-
	29th	2.12 Explain the method of viewing the contents of hard disk drive using explore option .		
	30th	2.13 Explain the method of finding a file using search option		
11th	31st	2.14 Explain formatting a floppy disk using explore option		-
	32nd	2.15 Describe installing new software using control panel		
	33rd	2.16 Describe uninstalling software using control panel		

12th	34th	2.17 Explain installing a new hardware using control panel			-
	35th	2.18 Explain uninstalling a hardware using control panel			
	36th	2.19 Narrate finding out drive space using system tool option of accessories group			
13th	37th	2.20 Explain the procedure of diskdefragmentation using system tool			-
	38th	2.21 Narrate installing a Printer using control panel			
	39th	2.22 Explain the procedure for changing resolution, colour, appearances, and screensaver option of the display			
14th	40th	2.23 Narrate the process of charging the system date and time			-
	41st	3. Fundamentals of Internet(28 hrs) 3.1 Explain meaning of a computer network			
	42nd	3.2 Describe the concept of a local area network			
15th	43rd	3.3 Explain the concept of wide area network			-
	44th	3.4 Compare internet & intranet			
	45th	3.5 Describe the relevance of an internet service provider			
16th	46th	3.6 Explain the role of the modem in accessing the internet			-
	47st	3.7 Explain the installation procedure of a modem using control panel			
	48nd	3.8 Explain the purpose of web browser software			
17th	49rd	3.9 Explain the structure of a Universal Resources Locator(URL)			-
	50th	3.10 Describe the purpose of World Wide Web, FTP, telnet and E-mail			

	51st	3.11 Explain the process of sending and receiving e-mail		
18th	52th	REVISION		-
	53th	REVISION		
	54th	SECOND ASSIGNMENT		
19th	55th	SECOND SESSIONAL		-
	56th	SECOND SESSIONAL		
	57th	SECOND SESSIONAL		
20th	58th	3.12 Understand different connection methods		-
	59st	3.13 Describe address format and IP address		
	60nd	3.14 Describe DNS		
21st	61st	3.15 Describe the role of search engines with examples		-
	62nd	3.16 Differences between search engines and directory.		
	63rd	3.17 Know about social network sites		
22nd	64th	3.18 Understand internet security		-
	65th	REVISION		
	66th	**4. Understand Programming Methodology** (16 hrs) 4.1. State the different steps involved in problem solving		
23rd	67th	4.2 State the steps involved in algorithm development		-
	68th	4.3 Differentiate algorithm and flowchart		
	69th	4.4 Develop algorithms for simple problems		
24th	70th	4.5 Draw the symbols used in flowcharts		-

	71st	4.6 Draw flowcharts for simple problems		
	72nd	REVISION		
25th	73rd	REVISION		-
	74th	REVISION		
	75th	REVISION		
26th	76th	REVISION		-
	77th	THIRD ASSIGNMENT		
	78th	REVISION		
27th	79th	REVISION		-
	80th	REVISION		
	81st	REVISION		
28th	82nd	REVISION		-
	83rd	REVISION		
	84th	REVISION		
29th	85th	REVISION		-
	86th	REVISION		
	87th	REVISION		
30th	88th	REVISION		-
	89th	REVISION		
	90th	REVISION		
31st	91st	REVISION		-
	92nd	REVISION		
	93rd	REVISION		
32nd	94th	REVISION		-

	95th	REVISION		
	96th	REVISION		