Lesson Plan

Name of the Faculty : **Ms. Gurpreet Bansal (Asstt. Professor)**

Discipline : **BCA**

Semester : **1st**

Subject : **Personal Computing Software & Hardware**

Lesson Plan Duration : **15 weeks (from July, 2018 to Dec., 2018)**

Work Load (Lecture/Practical) per week (in hours):Lecture: 3, Practical: 2

Week	Theory		Practical – Software Lab -I	
	Lecture Day	Topic(including Assignment/Test)	Practical Day	Topic
1st	1st	Computer Appreciation: Introduction, characteristics of computer	1	Parts of Computer
	2nd	History of computers	2	Working of Computer
	3rd	Classification of computers on size, architecture and chronology		
	T1	Tutorial---review of lectures		
2nd	4th	Applications of computers Terms–Hardware, Software, Firmware;	3	Hardware Software
	5th	Computer Architecture and organisation; Input, Process and Output; Representation of information; BIT, BYTE	4	Memory Units
	6th	Memory, Memory size; Units of measurement of storage; Input/Output devices;		
	T2	Tutorial---problem/review of lectures		
3rd	7th	Secondary storage devices	5	Secondary Storage Devices
	8th	Networking concepts - LAN, WAN and Topologies	6	Networking Concepts

	9th	Types of software; system and application software; functions of an operating system		
	T3	Tutorial---problem/ review of lectures		
4th	10th	Popular Operating systems; Generation of Languages;	7	OS Functions
	11th	Types of OS	8	OS Types
	12th	Translators - Interpreters, Compilers, Assemblers and their comparison.		
	T4	Tutorial---problem/review of lectures		
5th	13th	DOS Introduction Operating System files and command Processor file	9	DOS Introduction
	14th	Types of DOS commands; Internal and External Directory commands	10	Copy, XCOPY, DEL, RENAME, TYPE, DATE, TIME, PROMPT
	15th	General commands; TYPE, DATE, TIME, PROMPT		
	T5	Tutorial---problem/review of lectures		
6th	16th	DOS files Definition of a file; File naming; Booting from floppy and HDD; Warm and Cold reboot;	11	ATTRIB, BACKUP, RESTORE, FIND, SYS
	17th	Disk Management Commands	12	FORMAT, CHKDSK, DISKCOPY, LABEL, VOL,
	18th	Assignment on above topics/ Test		
7th	19th	Disk Management Commands	13	DISKCOMP, COMP, RECOVER
	20th	Redirecting command input and output pipes, Editors	14	EDIT, PIPES, MORE, COPY CON
	21st	Using COPY CON to build a file		
	T6	Tutorial---problem/review of lectures		
8th	22nd	Introduction to simple batch files; configuring	15	Simple Batch Files, Configure CONFIG.SYS,

		the system: CONFIG.SYS and AUTOEXEC.BAT files; Setting the Environment; SET Command; System Configuration: FILES, BUFFERS, COUNTRY, DEVICE, SHELL, LASTDRIVE		AUTOEXEC.BAT
	23rd	Batch files commands: ECHO, PAUSE, REM; Batch files with command line arguments;	16	Batch Files Commands
	24th	**Assignment on above topics/ Test**		
	T7	Tutorial---problem/review of lectures		
9th	25th	Single and multiple command line parameters; Loop structures in Batch files :	17	Command Line parameters, Loops in Batch Files
	26th	IF ERRORLEVEL condition = = condition EXISTS and NOT conditions. GOTO, CALL; Nested Batch Files;	18	IF Errorlevel conditions, GOTO, CALL, IF EXISTS, SCANDISK, SETVER, UNDELETE, UNFORMAT,
	27th	DOS Utility commands		
	T8	Tutorial---problem/review of lectures		
10th	28th	Windows Basics; Start Windows; Using different windows simultaneously; Moving through windows and mouse; Maximize/Minimize windows; Use of help feature; Exit windows; Starting an application;	19	MEMMAKER, MSAV, DBLSPACE, MOVE, DEFRAG, DELTREE, MSBACKUP,
	29th	File Management through windows: Copy, Move, Delete files/Directories, Creating Directories. Renaming files and directories; Disk operation Using File Manager,	20	Windows Explorer, File Management
	30th	Using Essential Accessories: Notepad, Wordpad, Paint,		

		Calculator		
	T9	Tutorial---problem/review of lectures		
11th	31st	Introduction to Various Physical components of a Computer,	21	Using Accessories
	32nd	Physical Inspection of a PC and internal cards,	22	Physical Inspection of a PC and internal cards, PC Diagnostics
	33rd	Diagnostics on a PC, Functional description of various modules and cards		
	T10	Tutorial---problem/review of lectures		
12th	34th	Installing a software, Detection of viruses and protection on a PC.	23	Installing a software, Detection of viruses and protection on a PC.
	35th	OS Installation	24	OS Installation
	36th	Test/ Assigment		
	T11	Tutorial---problem/review of lectures		
13th	37th	System Administration Tools	25	Administration Tools
	38th	Various types of display and other peripherals used in a PC.	26	Different Peripherals OF PC
	39th	Assignment on above topics/ Test		
	T12	Tutorial---problem/ review of lectures		
14th	40th	Revision	27	Revision of DOS Commands
	41st	Revision	28	Revision of DOS Commands
	42nd	Revision		
15th	43rd	Problem session	29	Revision of DOS Commands
	44th	Problem session	30	Revision of DOS Commands
	45th	Problem session		

(Ms. Gurpreet Bansal)

Asstt . PROFESSOR