

Lesson Plan

Name of Faculty : Sh Rakesh Kumar
 Discipline : Computer Engg.
 Semester : 2nd
 Subject : Computer Workshop
 Lesson Plan Duration : 15 Weeks (from jan-2018 to April-2018)
 Work Load (Lecture / Practical) per Week (in h) : Lecture - 0 Practical - 6

Week	Theory		Practical	
	Lecture Day	Topic (including assignment/test)	Practical Day	Topic
1			1	Familiarization with various components and parts of personal computer:
			2	Mother board details
2			1	hard disk drive,
			2	floppy disk drive. CD ROM drive,
3			1	Blucray keyboard, display devices
			2	various chips (memory chips and CPU)
4			1	serial and parallel ports, inkjet, USB Ports
			2	SATA Fire wire, Bluetooth
5			1	Bluetooth, Dot matrix and Laser printers,
			2	Modems, connectors and cables
6			1	Assembly and Disassembling of PCs
			2	power supply, linear power supply
7			1	switch mode power supply, trouble shooting of SMPS
			2	Setting up of basic infrastructure for computers (including power layout, air conditioning, earthing etc.
8			1	Introduction to FOSS, installation of various operating systems
			2	LINUX/MS windows latest versions. Setting up multiboot system/dual boot system. Familiarization of their
9			1	features with practical demonstrations. Creat window system image
			2	Installation and configuration of device drivers
10			1	Disk management
			2	Installation of latest version of application software proprietary/free software like MS-Office/open office
11			1	Installation of latest version of application software proprietary/free software like Adobe Photoshop.

11			2	Installation of latest version of application software proprietary/free software like Corel Draw, Macromedia Flash etc
12			1	Installation and configuration of latest version of database software like Oracle/MySQL.
			2	Installation and configuration of latest version of database software like SQL Server etc.
13			1	Introduction to Virus/Spyware/Worm/Trojan Horse , their detection, prevention and cure
			2	Installation, uninstallation and use of Antivirus software
14			1	Visit to computer manufacturing industry INSTRUCTIONAL STRATEGY As the subject is practice oriented
			2	sufficient exercises on assembling and dissembling of computer system
15			1	Field visits to the places where assembly of computers is taking place
			2	Visits to the manufacturing units of CVT or UPS