

Lesson Plan

Name of the Faculty : Balinder Singh

Discipline : ECE

Semester : 6th

Subject : Maintenance of Computer Systems

Lesson Plan Duration: 16 weeks

Work Load (Lecture / Practical) per week (in hours): Lecture-02hr, Practical-02hr

Week	Theory		Practical	
	Lecture Day	Topic (Including Assignment/ Test)	Week	Topic
1 st	1	Mother Board Introduction to different type of mother boards, Single Board Based System	1 st	Operation, Maintenance, Installation and Testing of Monitors (LCD, LED)
	2	Block Diagram of Mother Board, Installation of Computer System		
2 nd	3	Buses and Ports Different types of Buses PCI, SCSI	2 nd	Operation, Maintenance, Installation and Testing of Monitors (LCD, LED)
	4	Serial and Parallel ports (COM ports), Ports COM1, LPT1		
3 rd	5	Memory Principle and construction of Hard Disk Drive (HDD)	3 rd	Hard Disk Drive, Partitioning and Formatting
	6	Hard Disk Controller. Pen Drives, Common faults with Hard Disk Drive		
4 th	7	RAM Module, SSD USB, RS 232C, HDMI	4 th	Hard Disk Drive, Partitioning and Formatting
	8	Input Devices Block Diagram of Keyboard Controller,		
5 th	9	Keyboard types and faults	5 th	Operation, Maintenance, Installation and Testing of Inkjet Printer
	10	Types of mouse and its common faults		
6 th	11	Introduction to scanner, digitizer and webcam	6 th	Operation, Maintenance, Installation and Testing of Inkjet Printer
	12	Assignment/Revision		
7 th	13	1 st Sessional test	7 th	Operation, Maintenance, Installation and Testing of Laser Printer
	14	Display Devices Block Diagram, Principle of operation of Computer Monitor		
8 th	15	Video display Adapters, Types of Display.	8 th	Operation, Maintenance, Installation and Testing of Laser Printer
	16	Video display Adapters, Types of Display.		

9 th	17	Printers Printing Mechanism, Construction and Working principle of Inkjet Printer,	9 th	Mother board based on latest microprocessor and chipset CMOS Setup
	18	Construction and Working principle of Inkjet Printer		
10 th	19	Laser Printer, Thermal Printer	10 th	Mother board based on latest microprocessor and chipset CMOS Set up
	20	Laser Printer, Thermal Printer		
11 th	21	Interfacing of PC with Printer	11 th	SSD
	22	Assignment/Revision		
12 th	23	2 nd sessional test	12 th	SSD
	24	Networking Devices Introduction to networking devices		
13 th	25	Idea about LAN , WAN	13 th	Network Connectors and cables
	26	Wi-Fi		
14 th	27	ROUTER, SWITCH	14 th	Router and Switch
	28	HUB		
15 th	29	Assignment/Revision	15 th	Installation of any operating system
	30	3 rd Sessional test		
16 th	31	Revision	16 th	Establish LAN , WLAN, using Networking Devices
	32	Revision		