LESSON PLAN

Discipline: Computer Science & Engg.	Semester: Sixth (6th)	Name of the Faculty: Er. Pramod Kumar Sahu
Subject: Computer Hardware Lab (Pr 2)	No. of days/week class allotted: Three (3)	Semester from Date: 16.01.24 to Date: 26.04.24 No. of Weeks: 15

WEEK	CLASS DAY	PRACTICAL EXPERIMENTS
1st	1st	Switches, Indicators and connectors of PC: Identification of front panel indicators and switches in a computer system of table top/tower case model and also identification of rear side connectors.
	2nd	
	3rd	*Review Class*
2nd	1st	PC system layout: Draw a Computer system layout and Mark the positions of SMPS, Mother Board, FDD, HDD, and CD-Drive / DVD-Drive add on cards in table top/tower models systems.
	2nd	
	3rd	*Review Class*
3rd	1st	Mother Board Layout: Draw the layout of Pentium IV or Pentium Dual core or Pentium Core2 DUO mother board and mark Processor, chip set ICs. RAM, Cache, Xtal, cooling fan, I/O slots and I/O ports and various jumper settings.
	2nd	
	3rd	*Review Class*
4th	1st	CMOS Setup Program: 1. Changing the Standard settings.
	2nd	2. Changing advanced settings (BIOS and Chipset features)
	3rd	*Review Class*
5th	1st	A. Installation of CD drive: 1. Install and configure an CDD in a computer system. 2. CDD drives diagnostics/servicing.
	2nd	B. USB pen drives and I-pods. 1. Connect and enable a pen drive or I-pod to HDD. 2. Format the pen drive or I-pod.

		3. Copy files and folders from pen drive I-pod to HDD.
		4. Copy files and folders from HDD to pen drive or I-pod.
	3rd	*Review Class*
6th	1st	HDD Installation: 1. Install the given HDD.
	2nd	2. Configuration in CMOS-Setup program
		3. Partition the HDD using fdisk./CAT/other
		4. Format the Partitions.
	3rd	*Review Class*
7th	1st	Printer Installation & Troubleshooting:
	2nd	1. Installing and checking a Dot-Matrix Printer.
		2. Installing and checking an Ink jet / Laser Printer.
		3. Possible problems and troubleshooting.
	3rd	*Review Class*
8th	1st	Modem Installation: 1. Install and configure a Modem in a windows PC.
	2nd	2. Check the working condition of modem with pc.
		& DVD Multi-recorder drive installation:
		1. Install a DVD Multi-recorder drive in a PC.
		2. Configure using device driver.
		3. Check the read / write operation using a CD / DVD.
	3rd	*Review Class*
9th	1st	Installation of Scanner:
	2nd	1. Connect the given scanner with a PC.
		2. Configure the scanner with driver.
		3. Check the scanner by scanning a page / a portion in a page. Also Familiarize: Scandisk, recent Anti-virus software and recent PC Diagnostic Software.
	3rd	*Review Class*
10th	1st	Assembling a PC: Assemble a Pentium Advanced version System with necessary peripherals and check the working condition of the PC. Also Install and Configure Windows NT2003 operating system in a PC.
	2nd	
	3rd	*Review Class*

11th	1st	Construct Network by connecting one or two computer with a Windows NT2003 Server/Advanced Construct Network by connecting one or two computer with a LINUX Server/Advanced Configure the network by connecting one or two computer with a LINUX Server. .Add / Remove devices using Hardware Wizard Add and Manage User Profile, Set permission to the users both in Windows NT 2003 / LINUX/ Advanced version	
	2nd		
	3rd	*Review Class*	
12th	1st	Install and Configure operating system (LINUX /Window XP advanced version /Window 2010/ Advanced etc) in a PC.	
	2nd		
	3rd	*Review Class*	
13th	1st	*Review Class*	
	2nd		
	3rd		
14th	1st	*Review Class*	
	2nd		
	3rd		
15th	1st	*Review Class*	
	2nd		
	3rd		