| PNS SCHOOL OF ENGG. & TECH., MARSHAGHAI DEPARTMENT OF ELECTRONICS & TELECOMMUNICATION  ENGINEERING LESSON PLAN | | |
|---|---|---|
| BRANCHE: ETC | SEMESTER : 6TH | NAME OF TEACHING FACULTY : ER. BALARAM DAS |
| SUBJECT: CHM Lab | NO. OF DAYS/ PER WEEK | SEMESTER FROM DATE : 04.02.2025 TO 17.05.2025 NO. OF WEEKS : 12 |
| WEEK | CLASSDAY | PRATICAL TOPICS |
| 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 | 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. |
| 3RD | 1ST | Mother Board Layout: Draw the layout of Pentium IV or Pentium Dual core or Pentium |
| | |  Chip set ICs. RAM, Chache, Xtal, cooling fan, I/O slots and I/O ports and various jumper settings. |
| 4th | 1ST | CMOS Setup Program: 1.  Changing the Standard settings. |
| | | 2. Changing advanced settings (BIOS and Chipset features) |
| 5th | 1ST | A.  Installation of CD drive: 1.  Install and configure an CDD  in a computer system. 2.  CDD  drive diagnostics/servicing. |
| | | 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. |
| 6th | 1ST | HDD Installation:  1. Install the given HDD.                  2. Configuration in CMOS-Setup program |
| | | 3. Partition the HDD using fdisk./CAT/other  4. Format the Partitions. |
| 7th | 1ST | Printer Installation & Troubleshooting:                  1. Installing and checking a Dot-Matrix Printer. |
| | |  3. Possible problems and troubleshooting. |
| 8th | 1ST | Modem Installation: 1. Install and configure a Modem in a windows PC.  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. |

| | | |
|---|---|---|
| 9th | 1ST | Installation of Scanner: Connect the given scanner with a PC.<br>    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. |
| 10th | 1ST | Assembling a PC: Assemble a Pentium Advanced version System with necessary peripherals and check the working condition of the PC.<br><br>Install and Configure Windows NT2003 operating system in a PC. |
| 11th | 1ST | Construct Network by connecting one or two computer with a Windows NT2003<br>Server/Advanced :Construct Network by connecting one or two computer with a LINUX Server/Advanced<br><br>Configure the network by connecting one or two computer with a LINUX Server.<br>Add / Remove devices using Hardware Wizard Add and Manage User Profile, Set permission to the users both in Windows NT 2003 / LINUX/ Advanced version |
| 12th | 1ST | Install and Configure operating system (LINUX /Window XP advanced version /Window 2010/ Advancedetc)in a PC. |
| Signature of the Demonstrator | | Signature of the H.O.D |