

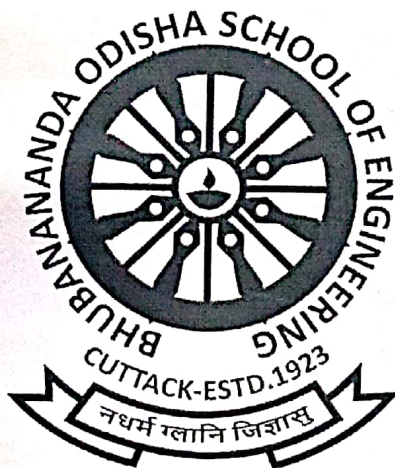
**DEPARTMENT OF APPLIED ELECTRONICS &  
INSTRUMENTATION ENGG.**

**LESSON PLAN  
OF  
COMPUTER HARDWARE LAB (PR.2)  
6<sup>TH</sup> SEMESTER  
ACADEMIC YEAR: 2025-26 (SUMMER)**

**BY**

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**LECTURER STAGE – II (AE&I)**



**BHUBANANANDA ORISSA SCHOOL OF ENGINEERING**

**NEAR SCB MEDICAL COLLEGE & HOSPITAL, MANGALABAG, CUTTACK – 753007, ODISHA**

**Website : <https://bosecuttack.org.in>**

Semester: 6<sup>TH</sup>.DIPLOMA  
 Subject: Computer Hardware LAB  
 Branch: AEG

Session: 2025-2026 (SUMMER)  
 No of Period: 45(3p/week)  
 Name of Faculty: Niranjan Nayak

| Period | Week | Date       | Topics to be covered                                                                                                                                                                                                                                                                                                                                   |
|--------|------|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1      | 1    | 01.01.2026 | 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.                                                                                                                                                   |
| 2      |      |            |                                                                                                                                                                                                                                                                                                                                                        |
| 3      |      |            |                                                                                                                                                                                                                                                                                                                                                        |
| 4      | 2    | 08.01.2026 | PC system layout: Draw a Computer system layout and Mark the positions of SMPS, Mother Board, FDD, HDD, and CD-Drive / DVDDrive add on cards in table top/tower models systems.                                                                                                                                                                        |
| 5      |      |            |                                                                                                                                                                                                                                                                                                                                                        |
| 6      |      |            |                                                                                                                                                                                                                                                                                                                                                        |
| 7      | 3    | 15.01.2026 | 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.                                                                                                                        |
| 8      |      |            |                                                                                                                                                                                                                                                                                                                                                        |
| 9      |      |            |                                                                                                                                                                                                                                                                                                                                                        |
| 10     | 4    | 22.01.2026 | CMOS Setup Program: 1. Changing the Standard settings. 2. Changing advanced settings (BIOS and Chipset features)                                                                                                                                                                                                                                       |
| 11     |      |            |                                                                                                                                                                                                                                                                                                                                                        |
| 12     |      |            |                                                                                                                                                                                                                                                                                                                                                        |
| 13     | 5    | 29.01.2026 | A. Installation of CD drive:<br>Install and configure an CDD in a computer system. CDD drive diagnostics/servicing. B. USB pen drives and Ipods.<br>Connect and enable a pen drive or I-pod to HDD.<br>Format the pen drive or I-pod.<br>Copy files and folders from pen drive I-pod to HDD.<br>Copy files and folders from HDD to pen drive or I-pod. |
| 14     |      |            |                                                                                                                                                                                                                                                                                                                                                        |
| 15     |      |            |                                                                                                                                                                                                                                                                                                                                                        |
| 16     | 6    | 05.02.2026 | HDD Installation: 1. Install the given HDD.<br>. Configuration in CMOS-Setup program .<br>Partition the HDD using fdisk./CAT/other . Format the Partitions.                                                                                                                                                                                            |
| 17     |      |            |                                                                                                                                                                                                                                                                                                                                                        |
| 18     |      |            |                                                                                                                                                                                                                                                                                                                                                        |
| 19     | 7    | 12.02.2026 | VIVA                                                                                                                                                                                                                                                                                                                                                   |
| 20     |      |            |                                                                                                                                                                                                                                                                                                                                                        |
| 21     |      |            |                                                                                                                                                                                                                                                                                                                                                        |
| 22     | 8    | 19.02.2026 | Printer Installation & Troubleshooting:                                                                                                                                                                                                                                                                                                                |
| 23     |      |            |                                                                                                                                                                                                                                                                                                                                                        |

|    |    |            |                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|----|----|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 24 | 8  | 19.02.2026 | <p>1. Installing and checking a DotMatrix Printer.</p> <p>2. Installing and checking an Ink jet / Laser Printer.</p> <p>3. Possible problems and troubleshooting.</p>                                                                                                                                                                                                                                                                      |
| 25 | 9  | 26.02.2026 | <p>Modem Installation: 1. Install and configure a Modem in a windows PC.</p> <p>2. Check the working condition of modem with pc. &amp; DVD Multirecorder drive installation:</p> <p>Install a DVD Multi-recorder drive in a PC.</p> <p>Configure using device driver.</p> <p>Check the read / write operation using a CD / DVD.</p>                                                                                                        |
| 26 |    |            |                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| 27 |    |            |                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| 28 | 10 | 05.03.2026 | <p>Installation of Scanner:</p> <p>b Connect the given scanner with a PC. c Configure the scanner with driver. d Check the scanner by scanning a page a portion in a page.</p> <p>Also Familiarize: Scandisk, recent Anti-virus software and recent PC Diagnostic software.</p>                                                                                                                                                            |
| 29 |    |            |                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| 30 |    |            |                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| 31 | 11 | 12.03.2026 | <p>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.</p>                                                                                                                                                                                                                               |
| 32 |    |            |                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| 33 |    |            |                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| 34 | 12 | 19.03.2026 | <p>Construct Network by connecting one or two computer with a Windows NT2003 Server/Advanced</p> <p>Construct Network by connecting one or two computer with a LINUX Server/Advanced</p> <p>Configure the network by connecting one or two computer with a LINUX Server.</p> <p>.Add / Remove devices using Hardware Wizard Add and Manage User Profile, Set permission to the users both in Windows NT 2003 / LINUX/ Advanced version</p> |
| 35 |    |            |                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| 36 |    |            |                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| 37 | 13 | 26.03.2026 | <p>Install and Configure operating system (LINUX /Window XP advanced version /Window 2010/ Advanced etc)in a PC.</p>                                                                                                                                                                                                                                                                                                                       |
| 38 |    |            |                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| 39 |    |            |                                                                                                                                                                                                                                                                                                                                                                                                                                            |

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|    |    |            |      |
|----|----|------------|------|
| 40 | 14 | 02.04.2026 | VIVA |
| 41 |    |            |      |
| 42 |    |            |      |
| 43 | 15 | 09.04.2026 | VIVA |
| 44 |    |            |      |
| 45 |    |            |      |
| 46 | 16 | 16.04.2026 | VIVA |



Signature of Faculty



Signature of HOD

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