

LESSON PLAN

SUB: COMPUTER HARDWARE MAINTENANCE LAB

BRANCH:- COMPUTER SCIENCE& ENGG.

SEMESTER:5th

NAME OF FACULTY: ABHISHEK PADHI (GF in CSE)



GOVERNMENT POLYTECHNIC, BHADRAK

SESSION: 2025-26

Hod, CSE

Academic Co-ordinator

Principal

Govt. Polytechnic, Bhadrak

DEPARTMENT OF Computer Science & Engg.,

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| Discipline: Computer science and Engineering | Semester: 5th, Winter/2025 | Name of the faculty: ABHISHEK PADHI Email Id: abhishekpadi24@gmail.com |
| Subject: Computer Hardware Maintenance Lab (Pr-2) | No. of Days/week: 04 (2 periods / Day) | StartDate: 14/07/2025 EndDate: 15/11/2025 |

| Week | Class Day | Practical Topics |
|------|-----------|--|
| 1st | 1st | Familiarization with various hardware components of computer, Study of layout of Mother Board and different components |
| | 2nd | Study of layout of Mother Board and different components |
| 2nd | 1st | Study of layout of Mother Board and different components |
| | 2nd | Study of layout of Mother Board and different components |
| 3rd | 1st | Study of Expansion slots ,Bus structure and ports with color codes |
| | 2nd | Study of Expansion slots ,Bus structure and ports with color codes |
| 4th | 1st | Study of Expansion slots ,Bus structure and ports with color codes |
| | 2nd | Study of Expansion slots ,Bus structure and ports with color codes |
| 5th | 1st | Study of function in SMPS with O/P voltage and connectors |
| | 2nd | Study of function in SMPS with O/P voltage and connectors |
| 6th | 1st | Study of function in SMPS with O/P voltage and connectors |
| | 2nd | Study of function in SMPS with O/P voltage and connectors |
| 7th | 1st | Study of HDD Interfaces |
| | 2nd | Study of HDD Interfaces |
| 8th | 1st | Connecting Hardware Components for assembly of computer |
| | 2nd | Connecting Hardware Components for assembly of computer |
| 9th | 1st | Connecting Hardware Components for assembly of computer |
| | 2nd | Setting up of CMOS |
| 10th | 1st | Setting up of CMOS |
| | 2nd | Installing OS |
| 11th | 1st | Installing OS |
| | 2nd | Installing OS |
| 12th | 1st | Installing OS |
| | 2nd | Installing different software |
| 13th | 1st | Installing different software, |
| | 2nd | Study different BIOS setup and different faults |
| 14th | 1st | Study different BIOS setup and different faults |
| | 2nd | Perform trouble shooting in Desktop and Laptop |
| 15th | 1st | Perform trouble shooting in Desktop and Laptop |
| | 2nd | Revision ,Quiz Test |

Abhishek Padhi
Signature of faculty