JSPM's

RAJARSHI SHAHU COLLEGE OF ENGINEERING

TATHAWADE, PUNE-33

(An Autonomous Institute Affiliated to Savitribai Phule Pune University, Pune)

A. Statement of Clear Goal, Use of appropriate methods, Significance of results, Effective presentation

Name of the Course: Computer Organization & Architecture

Name of the Faculty: Dr. Dipmala Salunke

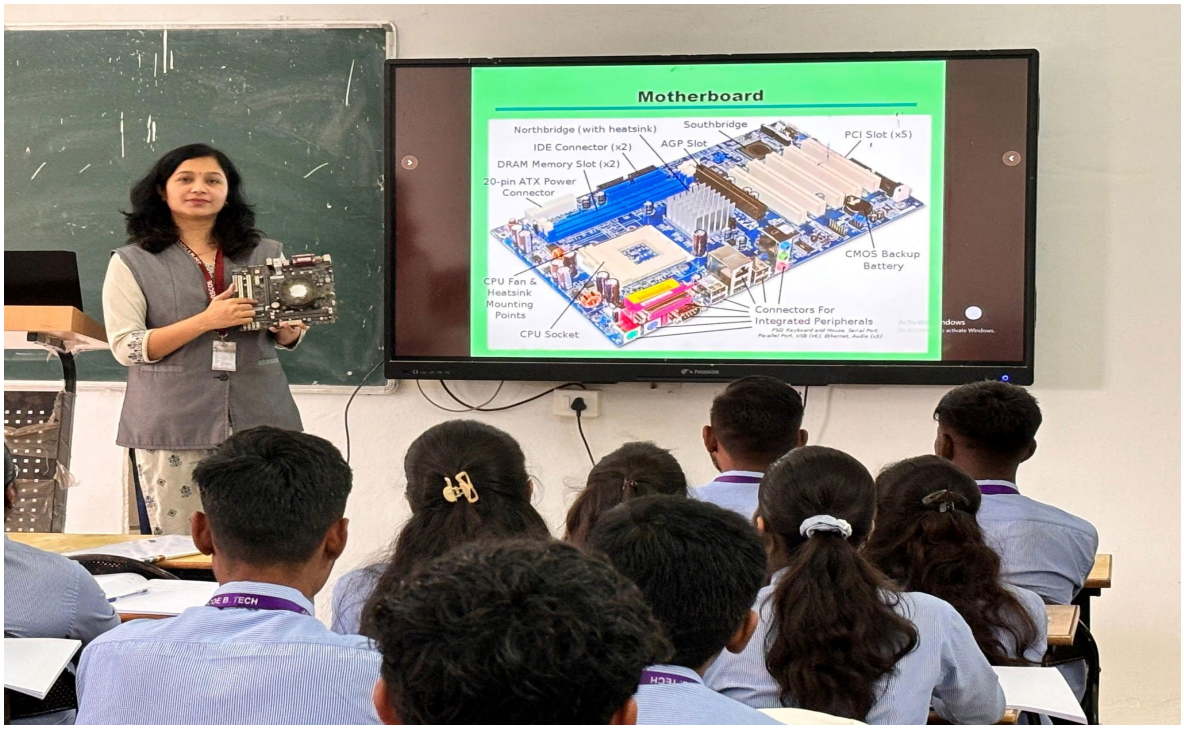
Name of the Innovative Method used: Hardware Demonstration with Visual Aids

Name of the topic: Von Neumann architecture, Motherboard and Peripherals of Computer

Statement of Clear Goal: To provide students with hands-on experience and visual demonstration of computer hardware, focusing on the motherboard and its peripherals. The goal is to connect theoretical concepts with practical understanding by showing real hardware components along with detailed diagrams.

Significance of result: Students gained a deeper understanding of motherboard architecture, ports, slots, and connections. The practical exposure helped them remember the placement and purpose of components such as CPU socket, RAM slots, PCI slots, and power connectors. Students actively participated, asked relevant questions, and reported improved confidence in identifying and explaining hardware components.

Effective Presentation (Screenshot):



Peer Review and Critique (Feedback):

Students appreciated the real-time demonstration as it provided practical clarity. They mentioned that seeing the actual motherboard alongside the diagram helped them understand connections better. The interactive session increased engagement and reduced theoretical monotony.

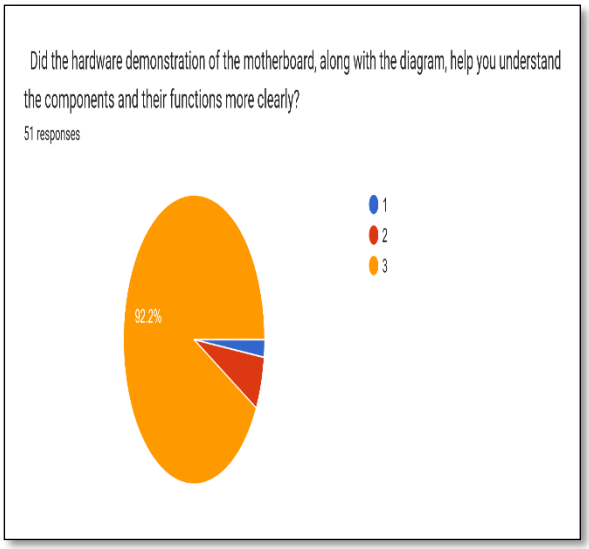
B. Availability of work related to Innovation by Faculty in Teaching and Learning is on Institute website.

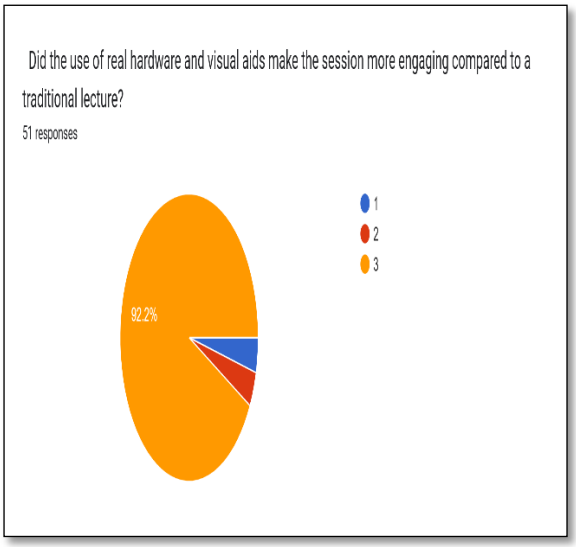
URL of the availability of the work on website:

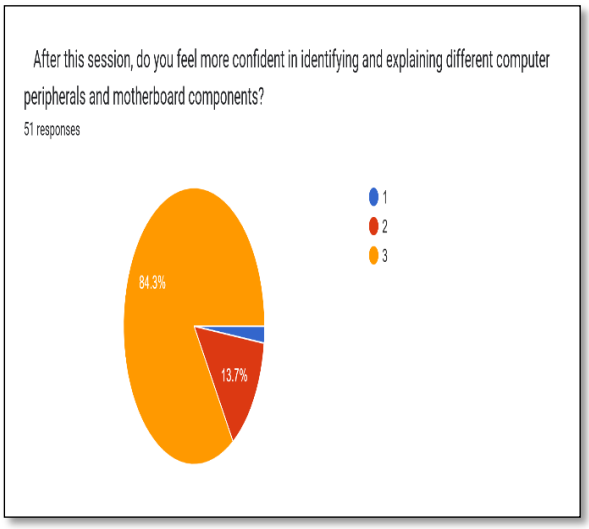
https://www.jspmrscoe.edu.in/

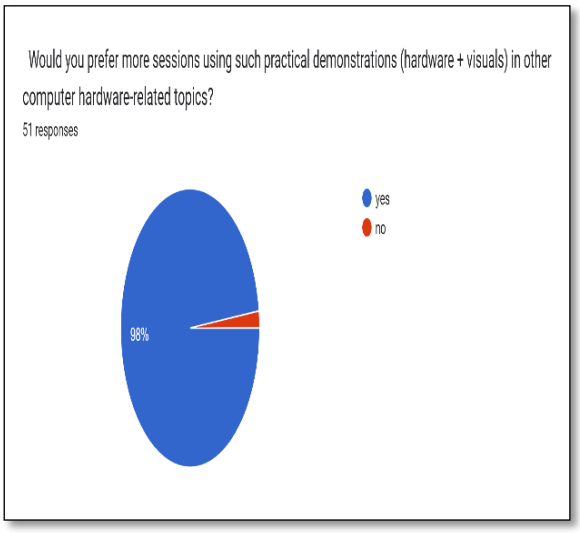
C. Availability of work for peer review and critique.

The interactive session increased engagement and reduced theoretical monotony. Collected feedback from students and analysis is shown below:









Sr. No.	Innovation Used	Content prepared by	Purpose of Reproducibility and Reusability
1.	Hardware Demonstration with Visual Aids	Dr. Dipmala Salunke	This method can be reproduced easily by other faculty members using similar hardware components. The approach of combining real hardware with projected diagrams ensures reusability and adaptability across various topics in computer hardware.

Course Coordinator	Module Coordinator	HOD IT
Dr. Dipmala Salunke	Dr. Archana Jadhav	Dr. Nihar M. Ranjan