Marathwada MitraMandal's

COLLEGE OF ENGINEERING, PUNE

Accredited with 'A++' Grade by NAAC, Recipient of "Best College Award 2019" by SPPU

Department of Computer Engineering

Academic Year 2023-2024, Sem-II Report of Innovative Teaching Pedagogy

Report of Flip Classroom

Class: BE II

Subject: High Performance Computing

Topic: Principles of Parallel Algorithm Design: Preliminaries, Decomposition Techniques

Date: 13/02/2024, Time: 11:15 AM to 12:15 PM

No. of Participants: 51/75

Mode of Conduction: Offline

Co-ordinator: Ms. Snehal H Kuche

Topics given for study:

Unit No. 3, Topic: Parallel Communication-Basic Communication: One-to-All Broadcast, All-to-One Reduction, All-to-All Broadcast and Reduction, All-Reduce and Prefix-Sum Operations, Collective Communication using MPI: Scatter, Gather, Broadcast, Blocking and non blocking MPI, All-to-All Personalized Communication, Circular Shift, Improving the speed of some communication operations.

Outcome of the session:

Participants are able to

- 1. Solve numericals based on communication technique
- 2. Enhance cognitive skills of learning

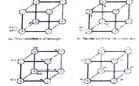
Glimpses of the Session:

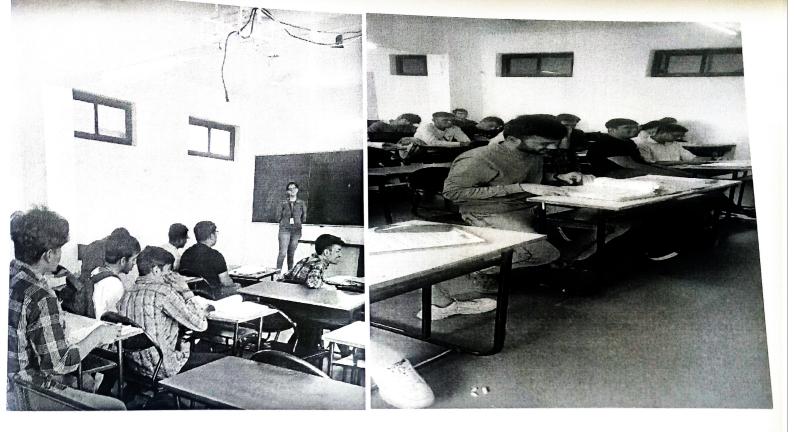
Flip Classroom

Student Evaluation

Example to solve How does Communication using MPI work?

Example of the Scatter Operation





Ms. Snehal H. Kuche

Course Coordinator

Dr. K. S. Thakre HOD Computer Engg.