## Assignment 2: MPI

- 1. Estimate the value of Pi using the Monte Carlo method and demonstrate basic MPI functions.
- 3. Parallel Sorting using MPI (Odd-Even Sort)
- 4. Heat Distribution Simulation using MPI
- Parallel Reduction using MPI
- 6. Parallel Dot Product using MPI
- 7. Parallel Prefix Sum (Scan) using MPI
- 8. Parallel Matrix Transposition using MPI