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| Programme | : | **B.Tech.(CSE)** | Semester | : | **Fall ’22-23** | |
| Course | : | **Parallel and Distributed Computing** | Code | : | **CSE4001** | |
| Faculty | : | **Prof. R. Kumar** | Slot | : | **L9+L10** | |

1. Write a program in MPI to generate ‘n’ random float numbers and send’ k’ of those to each node and make them compute the average and send it back to the master which computes the average of those averages.
2. Write a MPI program to compute PI using “dartboard” technique for 1000 rounds by using reduction collective computation.
3. Write a MPI program to perform matrix multiplication (1000x1000) using scatter and gather routines.