Aum Sri Sai Ram

MTCS 103(P): Practical Parallel Processing

Lab Work XIV & XV

Opening date: 5th Oct 2021

Due date: 11th Oct 2021

Follow Academic Integrity and Honour Code.

Consider Radix Sort, Bubble Sort, Insertion Sort, Binary Sort algorithms or any other sorting algorithm known to you that sorts by comparison.

Implement any one of these algorithms in

- OpenMP
- MPI

Carry out a study on the

- Execution time complexity
- Communication time complexity
- Scalability
- other performance metrics that you have studied so far.

Report your study and the conclusions.

List the learnings from this work.