

Aum Sri Sai Ram

MTCS 103(P): Practical Parallel Processing

Lab Work XI

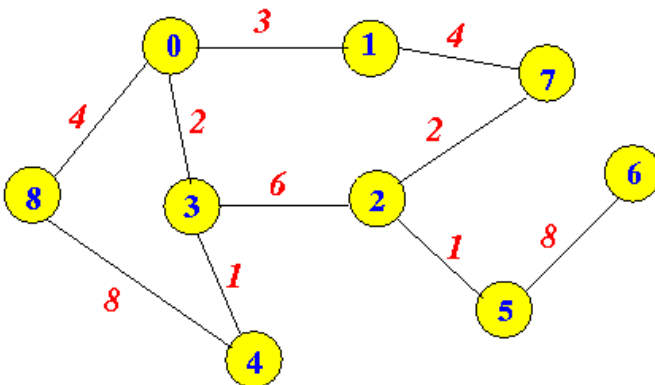
Opening date: 28th Sept 2021

Due date: 30th Sept 2021

Follow Academic Integrity and Honour Code.

Consider the Floyd's algorithm for finding all pairs shortest path.

1. Implement the sequential version of the algorithm.
2. Implement it using OpenMP.
 - a. Check the performance for changing number of threads.
 - b. Plot graphs and draw inferences.
3. Execute the MPI program given in the text book. Benchmark the program.
4. Verify all your implementations on the graph given below.
5. List your learnings.



Note: An undirected graph implies there is a path in both the directions.