

# Project Report

Group members:

Naman Arora – UFID: 3979-0439

Drona Banerjee – UFID: 4662-7749

## Implementation details:

For implementing Gossip algorithm, we are keeping a track of the number of times a particular node has received a message. We are terminating the algorithm once all the nodes have reached a count of 10 and the total time taken for convergence is printed.

For PushSum, we are keeping a track of the number of times the change in sum-estimate value(s/w) for a node stays below a threshold  $10^{-10}$ . We are considering a node as converged after the count reaches a value of 3. We are terminating the algorithm only after all the nodes in the network have converged.

Line Topology:

