

Subject: Computer Network

Subject code: IT694

Student Name:

Dev Adnani 202212012  
Saif Saiyed 202212083

Topic: Rumor-Spread Protocol

**Rumor-Spread Protocol**

**Initiate the rumor** **:** Choose one node in the network to start the rumour and spread the message to its neighbours.

**Propagation :** Each node that gets the message will send it to its neighbours, who will then relay it to their neighbours, and so on.

To avoid spreading the same message more than once, each node should only relay it once.

**Message Receipt Tracking :**To prevent these nodes from receiving the message twice, each node must keep track of which nodes have already received it.

**Stopping Criteria :**The rumour should stop spreading once the message has reached every node in the network.

The rumour spreading protocol's general purpose should be to avoid unnecessary redundancy while guaranteeing that the message is transmitted effectively and reliably throughout the network. Furthermore, the design must be adaptive enough to allow for changes in the network's topology, such as the addition or deletion of nodes.