

Mobile Coordinated Wireless Sensor Network: An Energy Efficient Scheme for Real-Time Transmissions

MODULE 1:

Wireless mobile topology of creation of simple packet transmission between nodes with default node configurations.

Flow of Implementation:

TCL Script, Default configurations of wireless, AODV protocol, NAM window.

EXISTING MECHANISM (PAPERS EXISTING METHOD)

MODULE 2:

Wireless mobile topology of creation of more number of nodes [50 nodes] formed as clusters with default node configurations of cluster head, access point, base station and packet transmission will be done based on NORMAL SCHEME [SENMA PROTOCOL] and QOS performance metrics like end to end delay, energy spent, packet delivery ratio, throughput values are taken and graphs will be plotted in xgraph.

Flow of Implementation:

TCL Script, Default configurations of wireless, Procedure for cluster implementation, SENMA protocol, NAM window, awk file execution, graph plot.

PROPOSED MECHANISM (PAPERS PROPOSED METHOD)

MODULE 3:

Wireless mobile topology of creation of more number of nodes [50 nodes] formed as clusters with default node configurations of cluster head, access point, base station and packet transmission will be

done based on **PROPOSED PROTOCOL** (Please provide a name for the protocol)**MOBILE COORDINATED WIRELESS SENSOR NETWORK SCHEME** **MCRP PROTOCOL** which is developed in c++ and integrated in to NS2 package and **QOS performance metrics like end to end delay, energy spent, packet delivery ratio, throughput** values are taken and graphs will be plotted in **xgraph**.

Flow of Implementation:

TCL Script, Default configurations of wireless, Procedure for cluster implementation, MCRP protocol, NAM window, awk file execution, graph plot.

MODULE 4:

Comparison of the **existing (NORMAL SENMA PROTOCOL)** and **proposed (MCRP PROTOCOL) mobile coordinated wireless sensor network mechanism** with single trace file and graphs execution.

Flow of Implementation:

User generated trace files, graph plot.

NOTE:

SOFTWARES USED : **REDHAT LINUX 9**

Front End : **TCL**

Back End : **C++**

Student need to confirm the topology and proposed protocol name.

Enhancement (New work with the paper) has not given in the module break up. If the student has any idea on the same can be done else will suggest once we completed the paper work.