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## Queue Stability Analysis in Network Coded Wireless Multicast Network

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### MODULE 1:

Base file for creation of nodes and transfer of packets.

### IMPLEMENTATION:

Tcl script, simulation.

### MODULE 2:

Topology with more number of nodes is created with wireless and transmission of packets is done using NORMAL QUEUEING SCHEME and parameters such as end data sent, data sent(buffer NORMAL),drops, average queue, sack sent, forward sent, forward received is calculated and the output is shown using graphs. Queue will be traced in a system generated trace file with extension.q .NORMAL act as agent in protocol.

### IMPLEMENTATION:

Tcl script, Topology creation, graph plot, simulation.

### MODULE 3:

Topology with more number of nodes is created with wireless and transmission of packets is done using PROPOSED VQ-MNCS QUEUEING SCHEME network coding based packet scheduling method and parameters such as end data sent, data sent(buffer NORMAL),drops, average queue, sack sent, forward sent, forward received is calculated and the output is shown using graphs. Queue will be traced in a system generated trace file with extension.q . VQ-MNCS act as agent in protocol.

### IMPLEMENTATION:

Tcl script, Topology creation, graph plot, procedure development, simulation.

## **MODULE 4:**

Comparison between **NORMAL QUEUEING SCHEME** and **PROPOSED VQ-MNCS SCHEME**

**(CODING BASED PACKET SCHEDULING METHOD)** is done on various parameters and output is shown using graphs.

### **IMPLEMENTATION:**

Graph plot with module 2 and module 3 using bar graph or xgraph.