

ASSIGNMENT-8

TITLE : NETWORK SIMULATOR

PROBLEM STATEMENT: IMPLEMENT MANET/ WIRELESS SENSOR NETWORK USING AN OPEN SOURCE NETWORK SIMULATOR

THEORY:

A wireless sensor network consists of the optional attributes of the node. The energy model

A wireless sensor network consists of a large N/w of small sensor nodes that are deployed in the area in which a factor is to be monitored

In WSN, energy model is one of the optional attributes of the model. The energy model denotes level of energy in a mobile node. The energy model requires 4 components. The components required for designing energy module include

- i. Initial energy
- ii. tx power
- iii. rx power
- iv. Idle power

Initial energy represents the level of energy the node has at initial stage of simulation.

tx power denotes energy consumed for transmitting the package.

rx power denotes energy for receiving the package.

Idle Power denotes energy consumed when no transmission takes place.

• CONCLUSION :

In this assignment, we implemented MANET/WSN using NS2.