**IMPLEMENTATION**

* **Source**

In this module, the source will share hi message with other nodes, and then send to the particular destination. The source will send its data to neighbor nodes and neighbor nodes will send to particular end user with minimum cost or energy routing path.

* E2AODV **Routing Path**

In the ERS, the source node will broadcast the RREQ to its neighbors to find route. If the neighbor nodes receive it for the first time, it will relay the RREQ. Or else it will just drop the packet. Hence there will be useful information regarding the sender and last hop, dropping the duplicate packets wastes the neighbor’s information. Therefore we propose a design which helps in utilizing the information before dropping the duplicate RREQ packets to make decision about node’s relay value. This helps in making some nodes silent without forwarding the redundant rebroadcast of the RREQ and thus reduces energy consumption for AODV routing protocol. This improved ERS scheme is named as E2AODV, Energy Efficient AODV.

* **Routing Path Formation**

The Routing path manages a multiple nodes to provide data service to end user. In a routing path, the node which has less energy or cost will communicate first. In a routing path, the path can view all its neighbor nodes and its corresponding energy details, assign energy for nodes, and assign distance for nodes, view distance details and view routing path.

* **Energy Aware Router**

In this module, the energy aware router is responsible for identify the intrusion detection in the network. If the router founds less energy sensor node, then it transfers the flow to energy Aware Router. And then energy aware router will update energy for the corresponding sensor node. Then the energy aware router is responsible for capturing the attackers.

* **Receiver (End User )**

In this module, there is an n-number of end users are present. The end user can receive the data file from the service provider via router. The end users receive the file by without changing the File Contents. Users may receive particular data files within the network only.