**AIM:**

Implementation of distance vector routing algorithm.

**THEORY:**

Distance Vector Routing is one of the routing algorithms in a Wide Area Network for computing shortest path between source and destination. The Router is one main devices used in a wide area network. The main task of the router is Routing. It forms the routing table and delivers the packets depending upon the routes in the table-either directly or via an intermediate devices. Each router initially has information about its all neighbours. Then this information will be shared among nodes.