**Vampire module**

1. Node Deployment:
   1. Input: Mouse click on deployment panel.
   2. Output: Node is now visible on panel.

Node Deployment is a module used to create Nodes in a jpanel called deploy node using java graphic . we will be using mouse action lisner for event handling of the mouse and we will draw a circle to indicate that node as been created .

1. Topology Creation:
   1. Input: Select the node b/w which you want to create edge .
   2. Output: Creation of Topology by edges b/w all node.

Topology Creation is a module used to create edges between the nodes so that we can finally create the topology for the network and each edge value will be stored in data base .

1. Route request:
   1. Input: Request for the paths available
   2. Output: gives the paths available

Route request is a module used to find the entire Route available between source and destination and give it as an input to the dijkstra algorithm .

1. Path selection:
   1. Input: paths available
   2. Output: Shortest path

In this module we will be Applying dijkstra algorithm to find the shortest path between source and destination and give the selected path to the source node so that it can traverse the packet in the network .

1. Packet transmission:
   1. Input: Packet
   2. Output: sending packet to destination using the given path

In this module we will be using output given by dijkstra algorithm to traverse the packet to the next node so that finally it reaches the destination.

1. IDS:
   1. Input: Setting the credential for detecting the attack
   2. Output: if attack detected then drop packet at the detected node else do the normal sending of packet

In this module we will detect the vampire attack. First will set the credential given by sender for that packet if any intermediate node try to change the credential set by sender node for that packet we will detect it in IDS because to find a new route it as to go thorough IDS and we will make him drop packet and black list the node