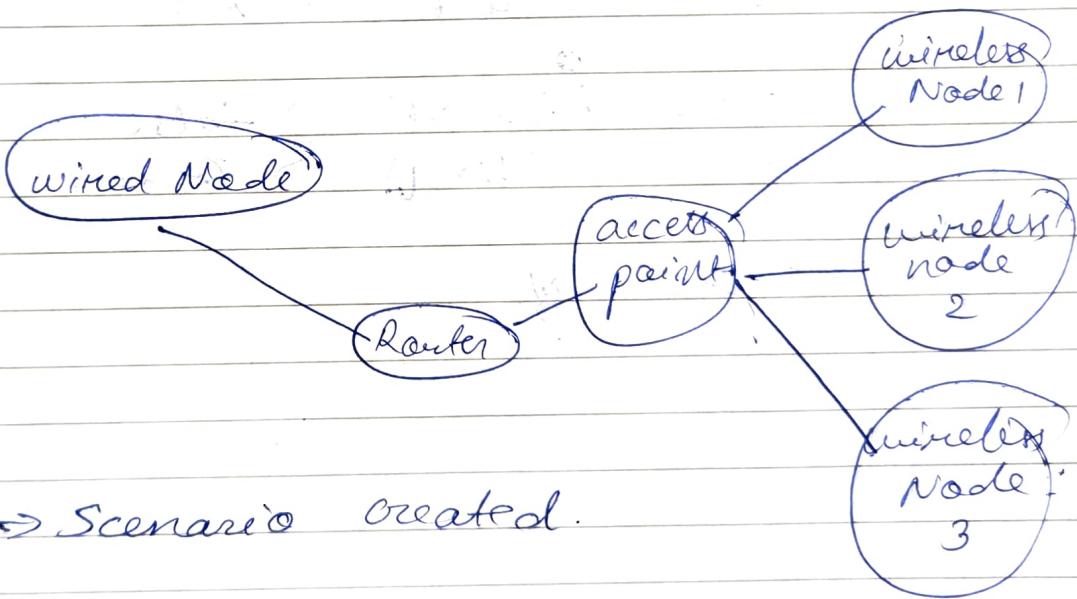


CN lab

Date :

OSPF (open shortest path first)

1. Choose a network.
(internetworks - Base).
2. Create a scenario.
(1 wired Node and 3 wireless Node)
 - Take 1 router.
 - Take 1 access point.
 - Connect using wires.



⇒ Scenario created.

(ii) Set traffic

→ Select CBR (constant Bitrate).
connect wired to wireless.
(all 3)

flow of
data at
constant rate → select video.
wireless to mixed.
(all 3) → packet assigned.



~~(ii)~~ configure reports

- Click on wired Node.
- Select General.
- Set wireshark capture to online.
- Select on application layer.
- Set Open flow enable to false.
- Do the same steps for wireless nodes as well.

(iii) Configure report.

- Enable packet trace
- Click on plots/charts.
- select throughput vs time.
 - latency vs time.
 - throughput vs time.
 - OSPF log.
 - TCP log.
 - Path Loss vs time.

(iv) Show/hide info.

- Enable → Device IP
 - ↓ ↗ Interface ID
 - Everything

- Go to create scenario
- click run simulation.
- Select 20 seconds as simulation time.
- Click on Record Packet animals on.
- Now click on play (green button)
- Minimise the graph simulation.
- Click throughout vs time in plot section.