

**S J C INSTITUTE OF TECHNOLOGY, Chickballapur**  
**DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING**

**BRIEF REPORT ON WORKSHOP - ADVANCED COMPUTER**

**NETWORKS SIMULATION USING NS TOOL**

SJCIT- Department of Electronics & Communication Engineering, has organized a One Day Workshop on **Advanced Computer Networks Simulation Using NS Tool** to Seventh Semester ECE students on **22.12.2021**. The Workshop was organized to give the awareness to the students about Advanced Computer Networks and the different simulation tools used for Networks which is extensively used in Wireless and Mobile technologies and protocols and their performance evaluation. The Resource Person for the session was **Prof. MOHAMMED KHURRAM J, Dept. of ISE, SVCE, Bangalore**. He explained the concepts of Advanced Computer Networks, Network Simulation Tools and few example programs on different topologies using NS3 and interacted with the students and cleared their queries. 163 students & 07 Faculty members attended the session.

The following topics were discussed.

- Computer Networks
- Network Simulation Tools
- Time & Event Dependent Simulation
- NS3 Architecture, Main components & NS Objects
- NS3 Architecture Installation: Cygwin

- Programming Essentials
- Wireless Simulation in NS-3 overview

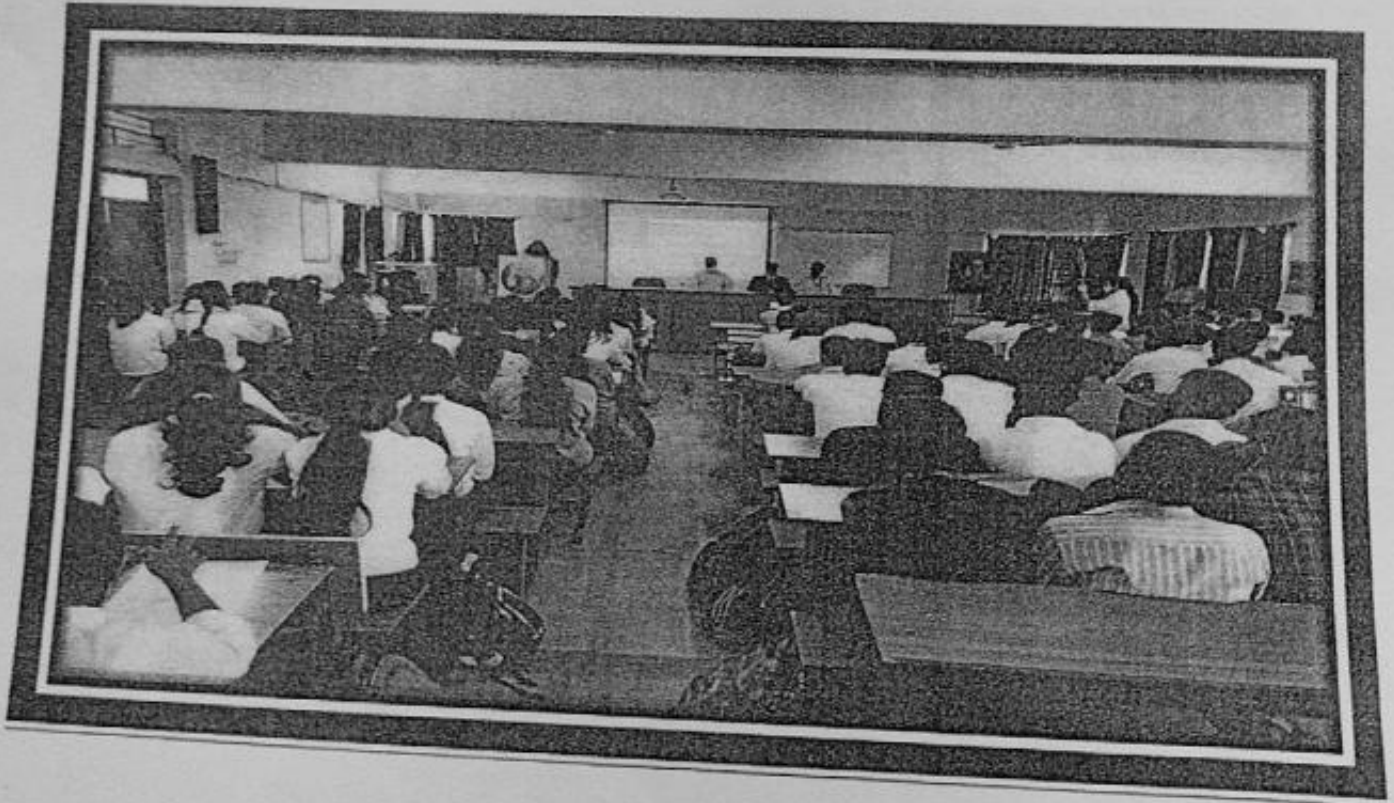
### OUTCOMES:

The students were able to

- Comprehend and analyse the concepts of Computer Networking.
- Select suitable tools to model a network.
- Simulate the network for different configurations and analyze the results

### EVENT PHOTOS:





*[Signature]*  
23/12/2021  
COORDINATOR

*B. N. Lakshmi*  
23/12/2021  
HOD