



TAGORE ENGINEERING COLLEGE

Approved by AICTE, New Delhi | Affiliated to Anna University, Chennai
Rathinamangalam, Vandalur – Kelambakkam Road, Chennai, Tamil Nadu 600127, India

Department of Computer Science and Engineering

Faculty Name : Dr.Selvalakshmi , Associate Professor, CSE

Subject :COMPUTER NETWORK

ROLE-PLAY ACTIVITY

This role-play activity allows students to explore the concepts of computer networks in a collaborative and engaging manner. Students assume various roles in a simulated network scenario, helping them understand networking components, protocols, and troubleshooting techniques.

Scenario Overview:

Activity Title:

Simulating a Computer Network Setup and Troubleshooting

Objective:

To help students learn the key components of computer networks, how they interact, and how to troubleshoot common networking issues in a real-world scenario.

Team Composition and Roles:

- 1. Network Administrator:**
 - Role: Oversees the overall network design, configuration, and maintenance. Responsible for ensuring proper connectivity.
- 2. System Administrator:**
 - Role: Configures the servers, including IP addressing, DNS, and DHCP services.
- 3. Security Specialist:**
 - Role: Focuses on securing the network using firewalls, encryption, and access control lists (ACLs).
- 4. Network Engineer:**
 - Role: Sets up routers, switches, and wireless access points. Monitors network traffic and ensures optimal performance.
- 5. Helpdesk Technician:**
 - Role: Responds to user-reported network issues, diagnoses problems, and provides solutions.

