Computer Networking: Security

# Aim:

**(CSE 3752)**

**Experiment 1**

Implementation of user authentication technique for remote access of the network device in computer network using cisco packet tracer.

# Objectives:

1. An overview on user authentication technique used in secured system.
2. Configuration and verification of remote user authentication on a Cisco router and switch using local username-password authentication.
3. Configuration and verification of remote user authentication on a Cisco router and switch using local username-password authentication using SSH.

# Exercises:

1. State the importance of user authentication in a secured system.
2. What will be the command for the following tasks?
   1. to create a local user account with the username “CNSLab” and the password “cisco”.
   2. to set the privilege level for the local user account to 15.
   3. to create an encrypted password.
3. Explain the features of SSH protocol.
4. Compare and contrast SSH and Telnet.