PROJECT

COMPUTER NETWORK

EB-23

NETWORK NOOBS

Secure Home Network Design

Design and implement a secure and safe home network using Cisco Packet Tracer, with advanced security protocols and monitoring tools to protect against external threats.

MEMBERS:

Shubham Tripathi

Vanaparthy Akshith

Shivansh Walia

Tejas Iyer

Shubham

Progress

The network design and device configuration have been completed successfully. The network topology has been drawn, and the necessary devices such as routers, switches, and firewalls have been identified and configured. The different zones of the network have been defined, and the IP addressing scheme has been decided upon. The routers have been configured with appropriate IP addresses, subnet masks, and default gateway addresses. The switches have been configured with VLANs and VLAN interfaces, and the firewalls have been configured with access control lists (ACLs) and NAT rules to control traffic between different zones and provide internet connectivity. At this stage, the network is ready for further configurations such as implementing security protocols and monitoring tools to ensure the safety and security of the home network.

Secure Home Network Design