

VALUE ADDED EXPERIMENT 1

Student Name and Roll Number:
Semester /Section:
Link to Code:
Date:
Faculty Signature:
Marks:

Objective: To familiarize the students with the concept VPN and Proxy server
Outcome: <ul style="list-style-type: none">The students will be able to mask their system's IP address by routing internet traffic through a proxy server.
Problem Statement: Add a browser extension that allows users to configure and apply a proxy server to their browser. The extension should enable users to verify how the public IP address of their system changes after applying the proxy.
Question Bank: Q1) How do proxy servers help reduce bandwidth usage? Q2) What are the key differences between proxy servers and Virtual Private Networks (VPNs)? Q3) How does Network Address Translation (NAT) contribute to network security? Q4) How do iterative and recursive methods resolve domain name queries?