



Practical Session - National Students Workshop

In this practical session, faculty members will attach this document in the assignments section of the portal. Students who are enrolled will have the ability to view this assignment. The session will include the following tasks:

1. Conduct Network Measurements:

- Use your deployed anchor to run the following network tests for selected domains:
 - **Regular Ping:** Measure the round-trip time to the following domains (Any 3):
 - google.com
 - icann.org
 - github.com
 - irctc.co.in
 - sbi.co.in
 - Any other domain of your choice.
 - **DNS Query:** Perform DNS queries for the same domains to gather information about their IP addresses.
 - **Traceroute:** Execute traceroute commands to visualize the path taken by packets to reach these domains.

2. Create Measurement Zones:

- Select specific anchors to create zones for running traceroute tests on your respective college websites. This will help in understanding the network path and latency involved in accessing your institution's online resources.

Students will link their respective queries to the assignment, which can be viewed from the faculty's portal. This structured approach will enhance your understanding of network performance and the practical applications of the concepts discussed in the workshop.