Implementation of Cyclic Redundancy Check for error detection. Assume Suitable Generator Polynomial.

Implementation of Hamming code for any bit message and demonstrate detection of error .

Implementation of Reversal of a string using TCP. Program should work for IP address instead of Localhost. Draw header format of TCP

Implementation of Reversal of a string using UDP. Program should work for IP address instead of Localhost. Draw header format of UDP

Implementation of Reversal of a string using TCP. Program should work for IP address instead of Localhost.Draw header format of TCP

Implementation of Reversal of a string using UDP. Draw header format of UDP

Wireshark-Packet Analysis -case Study based question. Solve minimum 15 questions and draw header format of TCP and UDP.

Implementationof 2 Router network connection using static and dynamic routing using packet Tracer.

Implementation of 3 Router network in series connection using static and dynamic routing using packet Tracer

Implementation of 3Router network in triangular fashion connection using static and dynamic routing using packet Tracer

Implementation of Virtual Private network using packet Tracer

Dynamic Network Address Translation implementation. Define range of Private addresses for Class A B and C.

Implementationof Subnetworking for ClassA .

Implementation of Application Layer Protocols like DHCP, DNS, HTTP using packet Tracer (web server should be www.crce.ac.in)

Implementation of Application Layer Protocols like DHCP,DNS,SMTP using packet Tracer

(there should be 2 users Raj and Shyam who should be able to communicate using mail service at frcrce.ac.in)

Implementation of different network topologies using Packet tracer and demonstration of Broadcast domain and collision Domain

Demonstration of All Router Configuration modes using command line and Setting up router password and recovering of router password using Packet Tracer

Implementation of Subnetworking for Class B

Implementation of Subnetworking for Class C