**Bahria University, Lahore Campus**

Department of Computer Sciences

**(Fall 2023)**

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| Course: | **Digital Communication Network Lab** | ViVa Date: 29-12-2023 |
| Course Code: | CSL-320 | Max Marks: 20 |
| Faculty’s Name: | Dawood Akram | Lab Engineer: Umar Nasir |

**LAB Project**

Objective(s):

The objective of this project is to implement the systems and network administration skills learned in the lab.

## Project Requirements:

You are required to design, install, and configure a network of any organization of your choice in Cisco Packet Tracer. The network should have the following features.

* At least three branch offices and a head office.
* WAN connectivity between offices using routers.
* Dynamic routing must be configured on all routers.
* At least two VLAN'S configured in any one office location.
* Must have a DNS server installed and configured.
* IP address configuration must be done through DHCP.
* Install and configure a Cisco firewall at the head office.