**Bahria University, Lahore Campus**

Department of Computer Sciences

Lab Journal 09

**(Spring 2022)**

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| Course: | **Data Communication and Networks Lab** | Date: |
| Course Code: | CEL - 222 | Max Marks: 10 |
| Faculty’s Name: |  | Lab Engineer: |

Name: ALI HASSAN Enroll No: 03-135211-005

Objective(s) :

To understand and implement EIGRP routing protocol.

## Lab Tasks :

**Task 1: Explain EIGRP protocol.**

EIGRP, a dynamic routing protocol, is employed to determine the most efficient path for a packet to travel between any two layer three devices. EIGRP utilizes protocol number 88 and operates on the network layer protocol of the OSI architecture.

**Task 2: Assign IP addresses to all routers and PCs in the given topology provided in lab.**

Chart, box and whisker chart

Description automatically generated

**Task 3: Implement the EIGRP protocol to the given network topology.**

Graphical user interface

Description automatically generated

**Lab Grading Sheet :**

|  |  |  |  |
| --- | --- | --- | --- |
| **Task** | **Max Marks** | **Obtained Marks** | **Comments(*if any*)** |
| 1. | 2.5 |  |  |
| 2. | 2.5 |  |  |
| 3. | 5 |  |  |
| **Total** | **10** |  | **Signature** |

# Note : Attempt all tasks and get them checked by your Lab. Instructor