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*Independent University Bangladesh (IUB)* **Course ID: CSE316L  
Semester:  Summer 2021  
Section: 04  
  
  
Submitted To:  
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Lab Report 1**

**Working Date:  28th June 2021  
                                      Submission Date: 2nd July 2021**

**Experiment 1**: Brief description on network devices and cable

**Objective:**

1. Basic information on Cisco Routers and Switches

2. Connection between PC, Routers and Switches with different cables

3. Introduction to Cisco Packet Tracer Software

**Routers and Switches**:  a switch connects multiple devices to create a network, a router connects multiple switches, and their respective networks, to form an even larger network. ... In addition to connecting multiple networks together, the router also allows networked devices and multiple users to access the Internet.

**Graphical user interface, application

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**Connecting Cables:** Connecting cables  used to connect one device to other devices or to connect two or more computer and router.

A picture containing cable, connector, blue

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**RJ45 Cables:** RJ45 is a type of connector commonly used for Ethernet networking. ... The "RJ" in RJ45 stands for "registered jack," since it is a standardized networking interface. The "45" simply refers to the number of the interface standard. Each RJ45 connector has eight pins, which means an RJ45 cable contains eight separate wires.

**A picture containing connector, adapter

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**Cisco Packet Tracer Software:** Packet Tracer is a cross-platform visual simulation tool designed by Cisco Systems that allows users to create network topologies and imitate modern computer networks. The software allows users to simulate the configuration of Cisco routers and switches using a simulated command line interface.

Graphical user interface, application, Word

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