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# **Department of Computer Science and Engineering Islamic University of Technology (IUT)** A subsidiary organ of OIC

# **Laboratory Report**

# CSE 4412: Data Communication and Networking Lab

## 

## **Name: Hasin Mahtab Alvee Student ID: 210042174 Section: SWE - B (Even) Semester: 4th (Summer) Academic Year: 2023-24**

**Date of Submission: March 24th, 2024**

### **Title:** Configuring Switch Port Security and Switch Port Analyzer (SPAN) in Cisco Devices

### **Objective**:

1. Understand and configure Switchport security in networks
2. Implement different kinds of port security
3. Understand and configure port mirroring
4. Implement SPAN (Cisco Switch Port Analyzer)

### 

### **Devices/ software Used**:

### **Theory:**

**Port Mirroring:**

**Local SPAN:**

### **Diagram of the experiment(s):**

*(Provide screenshot of the final network topology. Make sure to label the network components.)*

### **Working Procedure:**

***(****Explain in brief how you completed the tasks. Provide necessary screenshots of used commands for each task.)*

### **Observation**:

### **Challenges (if any):**