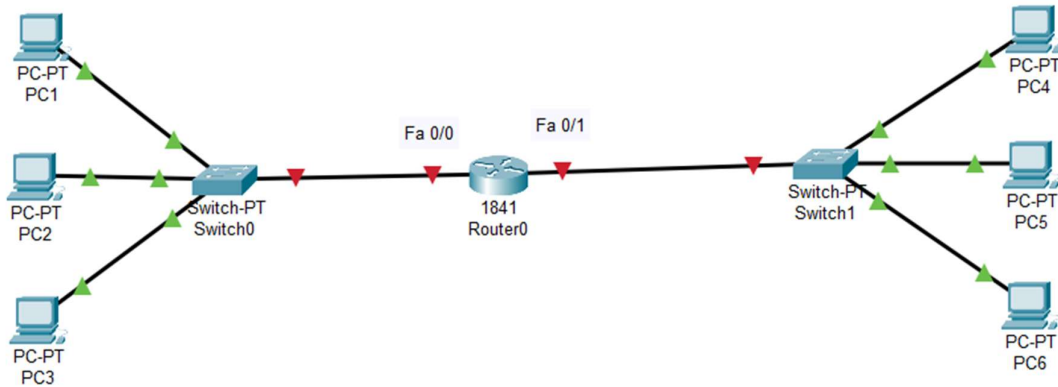


**IE2020 – Routing and Switching**  
**Year 2– Semester 2**  
**Initial Practical**

**Network Diagram**



1. Rename the network devices as follows:

Router 0 –> SLIIT

Switch 0 –> IT

Switch 1 -> CSN

2. Assign the IP addresses to the PCs and interfaces as follows:

| Device           | IP Address    | Subnet Mask   | Default Gateway |
|------------------|---------------|---------------|-----------------|
| PC1              | 192.168.100.2 | 255.255.255.0 | 192.168.100.1   |
| PC2              | 192.168.100.3 | 255.255.255.0 |                 |
| PC3              | 192.168.100.4 | 255.255.255.0 |                 |
| PC4              | 192.168.200.2 | 255.255.255.0 | 192.168.200.1   |
| PC5              | 192.168.200.3 | 255.255.255.0 |                 |
| PC6              | 192.168.200.4 | 255.255.255.0 |                 |
| Router0<br>Fa0/0 | 192.168.100.1 | 255.255.255.0 | N/A             |
| Router0<br>Fa0/1 | 192.168.200.1 | 255.255.255.0 | N/A             |

3. Use the *ping* command to check the connectivity