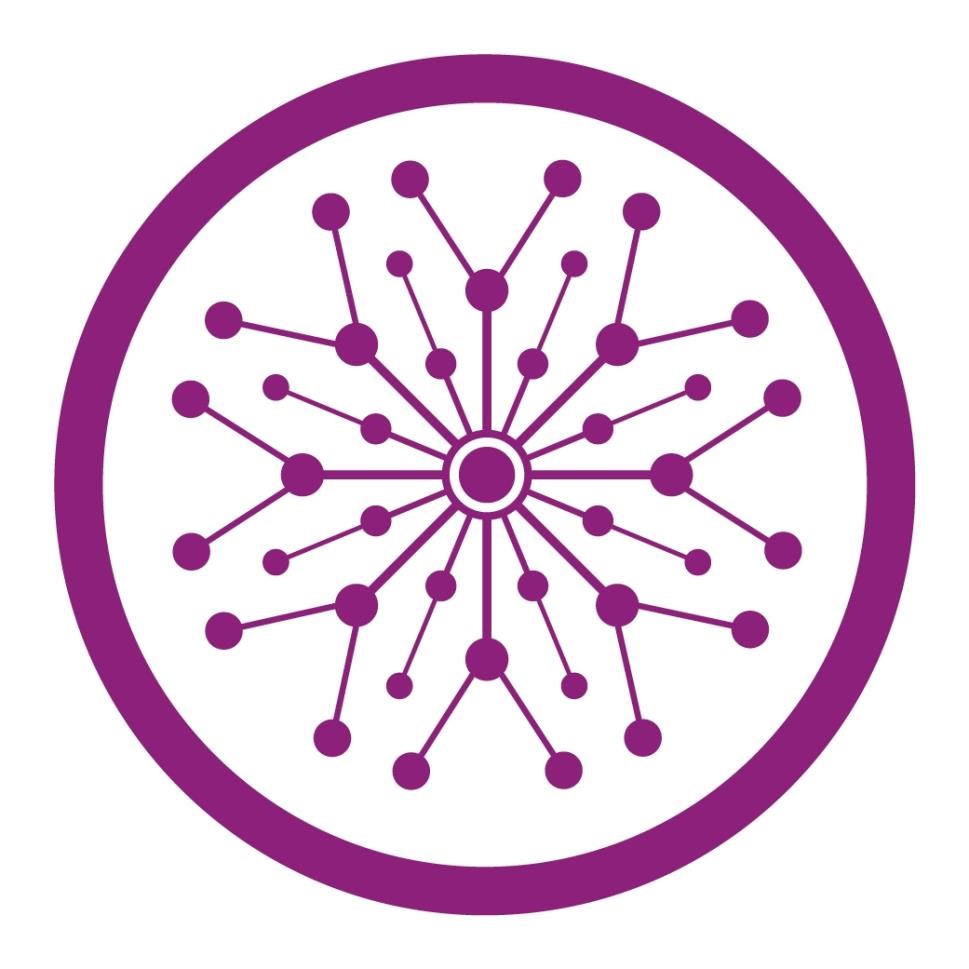
**Assignment 2**

**Computer Networks (LAB)**



**Submitted to Sir Rasikh**

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**Q1:**

**Why are we using 2911 router and not the others?**

A Cisco 2911 router would be highly recommended in business environments. Its highly dynamic range features all the attributes of speed and flexibility along with meeting the security needs. There are no worries about what your team can do with the fastspeed internet. They can easily do video conferencing, use cloud services or indulge in any other activity where others are dependent on the internet. One of its standout aspects is the amount of ports it has, enabling you to plug in different peripherals/personal computers/printers/servers extending your network capabilities to suit your preferences.

As it is with other products, security is also one main feature of the 2911. Some of the features include provision for creating Virtual Private Network (VPN) connections that allow the employees to safely work from home or outside without having to worry. To make matters better the router also has a functional firewall erecting barriers against unauthorized access to the network thus potential torture to the business that deals with private information. The consumers are mostly pleased because 2911 does not advocate for overspending even with the security provided though some expensive routers may provide more experienced protection. To conclude, Cisco 2911 router is absolutely worthy and will pay back soon for those players who are setting the expenses for the stable networking range.

**Q2:**

**Why are we using 2950T or 2960 switch and not the others?**

The core reason for using the Cisco 2950T or 2960 switch is their reliability and ease of use for small to medium-sized networks. These switches provide good performance and have plenty of ports to connect multiple devices like computers and printers. They are also designed with features that help manage network traffic efficiently, ensuring that everything runs smoothly.

Another important reason is their strong security options. The 2960 switch, for example, offers features that help protect your network from unauthorized access. Overall, these switches are a great choice because they balance performance, security, and cost, making them ideal for businesses that want reliable networking without spending too much.