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Introduction

I have been employed as a network engineer by the Nguyen networking limited which is a high-tech networking solution development company. The company has made a contract to design a

network project for a local educational institute. I have been asked by the CEO of the company to design a network and submit a report.

Task 3- explain the need of network designs and planning strategies.

The design that I have implemented has been shown below. This network design will help to understand how the devices are connected, and what type of devices and wires have been used. This design will help the client to learn about the IP configurations and how each device from different floors are connected to each other.

Task 4 designing a network to meet client requirements

The design that I have created consists of 3 floors. In the first floor, I have added two PCs which are connected to the server. In 2nd floor, I have added three devices, 1 laptop, 1 PC and a server which is connected to the server of that floor. In the 3rd floor, I have once again added 3 devices that are 2 laptops and a server which is again connected to the server of the 3 floor. All these servers are connected to the latest router model 2911 with the help of the copper crossover wire.