Device Name	Interface	Connect With	Interface	User Count	Remark
R - 01	Gig 0/0/0	SW-01	Gig 0/1	User 80	
	Gig 0/0/1	SW-02	Gig 0/1	User 50	
	Serial 0/1/0	R-02	Serial 0/1/0	User 02	DCE
R-02	Gig 0/0/0	SW-03	Gig 0/1	User 30	
	Gig 0/0/1	SW-04	Gig 0/1	User 220	
	Serial 0/1/0	R-01	Serial 0/1/0		DTE
Amanda-PC	Fa 0	SW-01	Fa 0/1		Amanda Perera
Kasun-PC	Fa 0	SW-01	Fa 0/2		Kasun Jayakody
Dilshan-PC	Fa 0	SW-02	Fa 0/1		Dilshan Herath
Pradeep-PC	Fa 0	SW-02	Fa 0/2		Pradeep Rajapaksha
Lankika-PC	Fa 0	SW-03	Fa 0/1		Lankika Jayathunga
Prabudhdha-PC	Fa 0	SW-03	Fa 0/2		Prabudhdha Silva
Web /DHCP	Fa 0	SW-04	Fa 0/1		Gayan Samarasingha
DNS / Email	Fa 0	SW-04	Fa 0/2		Visura Peris

01. Using VLSM Method and Finding IP Address. As well as every GigabitEthernet Interface, Every SubInterface and Every Serial DCE ports are using their Lowest IP address.

02. Basic Configuration (Only Every Router).

1. Set date and time for every network devices.

2. Set Banner message
    ###
            This is a Secure area. Pls enter your Authentication.
    ###

3. Password: Enable Secret: Your First Name with cisco.lk (First letter must capital)

    Console Password: Your First Name with cisco.lk (Second letter must capital)

    SSH Configuration
            Username: Admin
            Secret: AdMin@Ci$co
            RSA Crypto key Module: 1024
            Domain-name: cisco.lk

03. Every password must be Encrypted.

04. Password minimum length is 08 digits.

05. Blocking Brute-force attack

       Failed Attempts - 03

       Within - 01minits

       Block for - 05 minutes

06. Create a web site to web server as a Cisco Network Academy. Its domain name is www.cisco.lk and every user can access the web site.

07. Create an email server. All clients and their password are username@231 Every user has the same email password and their email address is as follows.

       Eg :- Pasan@cisco.lk

08. Every remote session and console session time duration is 15 minutes.

09. DNS server IP address is their Second Lowest address and WEB Server for use Third Lowest address.

10. Save every network device's configuration to the TFTP server. Use DNS IP address for TFTP.