**Specification Format**

**RR Campus**

**Kathmandu**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **S.N.** | **Particulars** | **Specifications (minimum)** | **Estimated Price per Unit** | **Quantity** | **Total Estimated Cost** | **Remarks** |
| 1 | CPU | 13th Gen Intel® Core™ i5 (24 MB cache, 14 cores, 2.50 GHz to 4.80 GHz Turbo, 65 W) or more | Rs. 82,000/- (Exclusive of VAT) | 35 | Rs. 2,870,000/-  (Exclusive of VAT) |  |
| 2 | RAM | 8 GB DDR5 RAM [3200MHz or more] |
| 3 | Hard Drive | 512 GB, M.2 2230, PCIe NVMe, SSD |
| 4 | Graphics | Integrated Intel Graphics |
| 5 | Motherboard | Intel Chipset |
| 6 | Ports | Headphone and Mic Connector, VGA, HDMI, Serial Port, 2xUSB 3.2 Ports [Front], 2xUSB 3.2 [Rear], Keyboard and Mouse Connectors, RJ-45 Network Connector - GIG, Power Connector, Integrated Wi-Fi (Gig+) and Bluetooth 5.0 or more |
| 7 | Monitor | 18.5-inch LED screen 720p monitor or more |
| 8 | Accessories | USB Keyboard, Optical mouse and all standard accessories, Keyboard and Mouse Part Number must be match with purposed brand |
| 9 | Form Factor | Mini or Tower Business Series |
| 10 | Operating System | Windows 11 Pro. Factory Installed |
| 11 | Warranty | 1 year Manufacturer Warranty with on-site support |

**Technical Specifications for Branded Desktop Computers**

Date: 2080/11/10

**Lab Report Format**

Static Routing

**A diagram of a computer network

Description automatically generated**

**Configuration for Router0:**

Click on router, click on CLI and then Enter.

1. Router> enable
2. Router# configure
3. Enter
4. Router(config)# interface gigabitethernet0/0/0
5. Router(config)# ip address 192.168.10.1 255.255.255.0
6. Router(config)# no shutdown
7. Router(config)# interface gigabitethernet0/0/1
8. Router(config)# ip address 192.168.1.1 255.255.255.0
9. Router(config)# no shutdown
10. Router(config)# ip route 192.168.20.0 255.255.255.0 192.168.1.2
11. Router(config)# ip route 192.168.2.0 255.255.255.0 192.168.1.2
12. Router(config)# ip route 192.168.30.0 255.255.255.0 192.168.2.2
13. Router(config)# exit
14. Router# exit
15. Router>

**Configuration for Router1:**

Click on router, click on CLI and then Enter.

1. Router> enable
2. Router# configure
3. Enter
4. Router(config)# interface gigabitethernet0/0/0
5. Router(config)# ip address 192.168.30.1 255.255.255.0
6. Router(config)# no shutdown
7. Router(config)# interface gigabitethernet0/0/1
8. Router(config)# ip address 192.168.2.2 255.255.255.0
9. Router(config)# no shutdown
10. Router(config)# ip route 192.168.20.0 255.255.255.0 192.168.2.1
11. Router(config)# ip route 192.168.1.0 255.255.255.0 192.168.2.1
12. Router(config)# ip route 192.168.10.0 255.255.255.0 192.168.1.1
13. Router(config)# exit
14. Router# exit
15. Router>

**Configuration for Router2:**

Click on router, click on CLI and then Enter.

1. Router> enable
2. Router# configure
3. Enter
4. Router(config)# interface gigabitethernet0/0
5. Router(config)# ip address 192.168.20.1 255.255.255.0
6. Router(config)# no shutdown
7. Router(config)# interface gigabitethernet0/1
8. Router(config)# ip address 192.168.1.2 255.255.255.0
9. Router(config)# no shutdown
10. Router(config)# interface gigabitethernet0/2
11. Router(config)# ip address 192.168.2.1 255.255.255.0
12. Router(config)# no shutdown
13. Router(config)# ip route 192.168.30.0 255.255.255.0 192.168.2.2
14. Router(config)# ip route 192.168.10.0 255.255.255.0 192.168.1.1
15. Router(config)# exit
16. Router# exit
17. Router>

**Configuration of PCs:**

Write IP Address, Subnet Mask and Default Gateway as mentioned in network design.