**CAMPUS NETWORK DESIGN**

University Campus Network Design.The University’s students and staff are distributed in 4 faculties, these include faculties of Health and Sciences;Business;Engineering/Computing and Art/Design.

**MAIN CAMPUS**

1. Building A

Adminstrative staff in the departments of management,HR and finance.Faculty of Business is also situated in this building.

1. Building B

Faculty of Engineering and Computing and Faculty of arts and design

1. Building C

Students Labs and IT Department.The IT Department hosts the University web servers and other servers.

There is also an email server hosted externally on the cloud.

**SMALLER CAMPUS**

1. Faculty of Health and Sciences(Staff and Students are on separate floors)

* Core devices and a few end devices are configured to provide end to end connectivity and access to internal servers and external server.
* Each department/faculty is on its own separate IP network.
* Switches are configured with appropriate VLANS and security settings.
* RIP v2 has been used to provide routing for the routers in the internal network and static routing for the external server.
* Devices in building A will be expected to acquire dynamic IP addresses from a router-based DHCP Server.