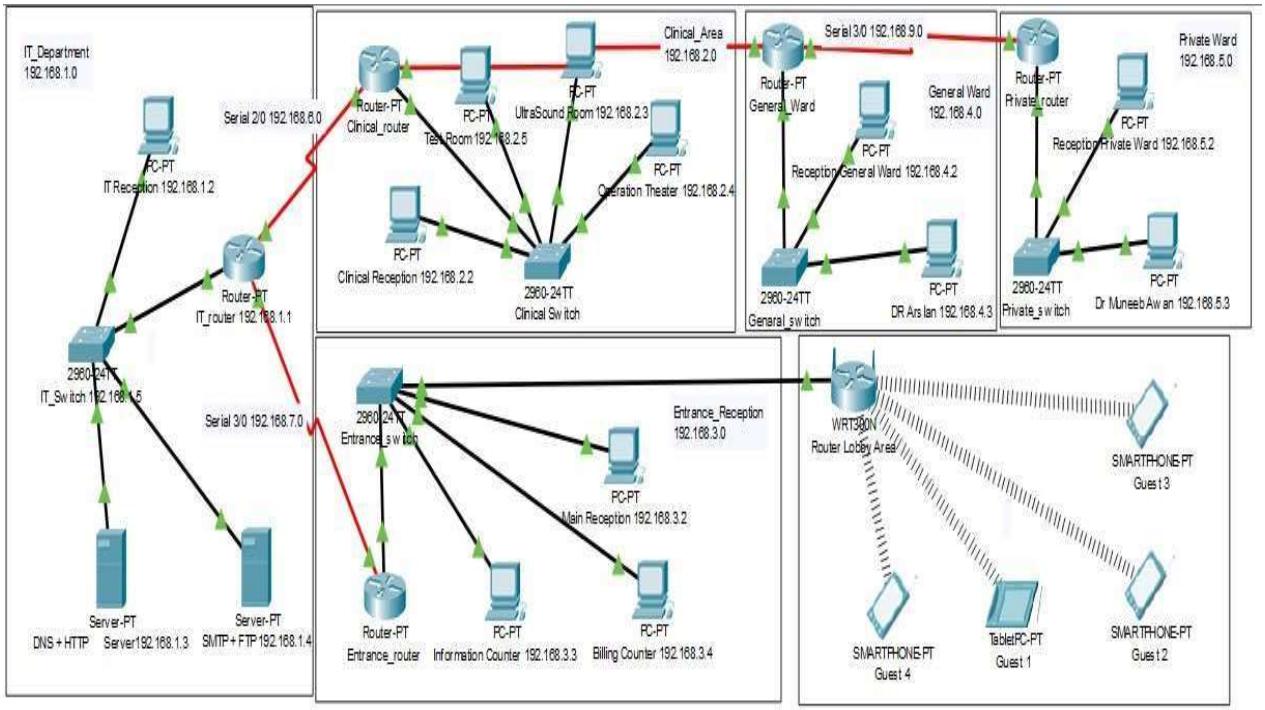
ARCHITECTURE AND DESIGN

Network Architecture

The network architecture is as follows:



The architecture consists of five major networks:

- IT Department
- Tech Room
- Reception General Ward
- Reception Private Ward
- Entrance Reception

IMPLEMENTATION

Address Table

The address table is as follows:

Device	Interface	Address
Server	Fa0	172.16.0.2
Router	Fa0/0	172.16.0.1
	Fa1/0	192.16.0.1
	Se2/0	10.0.0.1
PC(Employees)	Fa0/0	192.16.0.2 to 192.16.0.7
Broadband Router	Se2/0	10.0.0.2
	Fa0/0	192.168.10.1
PC(Lobby Area)	Fa0/0	192.168.10.2 to 192.168.10.4

RESULTS AND DISCUSSION

Connection Check

The network connections were checked by ping requests: