Name:- MOHAMMED TOUSIF
Roll No:- CB.EN.P2CYS22008

# STIMULATING COLLEGE NETWORK CONNECTIONS USING PACKET TRACER

Date :- 04-12-2022

Aim :- To simulate college network connections using Cisco pakcet tracer.

Tools Required :- Windows OS , Cisco Packet Tracer.
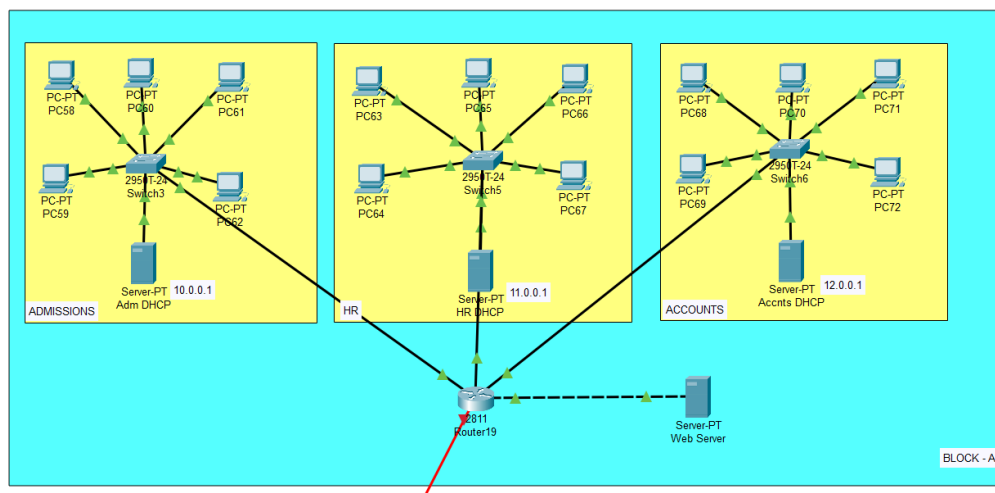
Procedure :-

Setting up 3 blocks to simulate the college network.

Block - A : 3 Depts , Main N/w Devices , Web server.
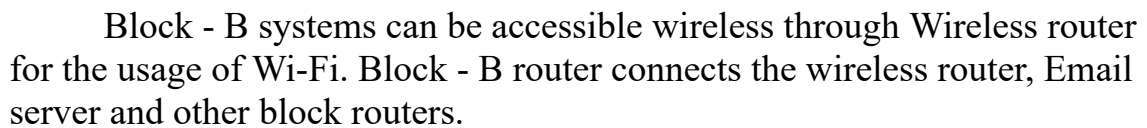Block - B : 12 systems , Email server.
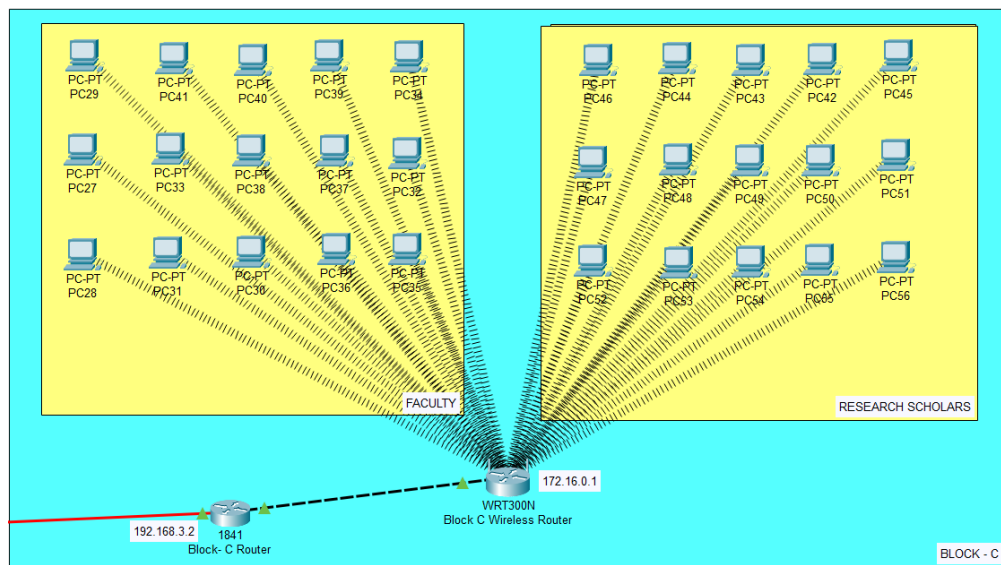Block - C : 2 Depts with 15 systems each.

Block - A :



Block - A has 3 departments which have their own subnet and IP address is assigned through DHCP servers.
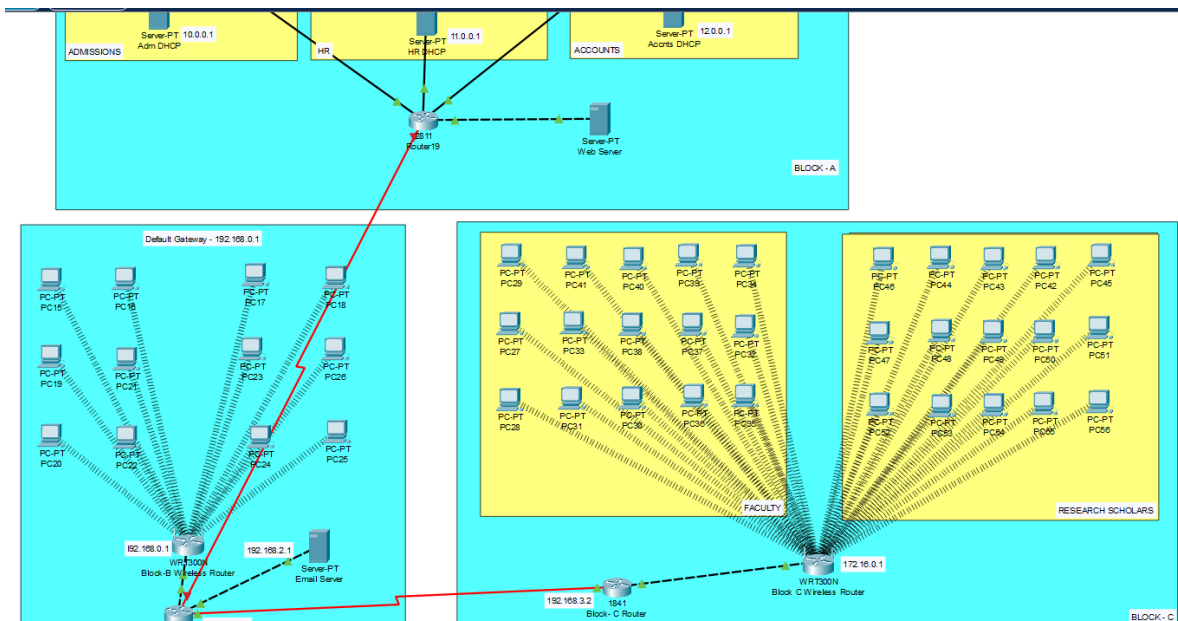
Whole systems of departments are connected through Block-A router and web server is connected to get accessed by any systems.

Block - B:



Default Gateway - 192.168.0.1

PC-PT PC15
PC-PT PC16
PC-PT PC17
PC-PT PC18
PC-PT PC19
PC-PT PC21
PC-PT PC23
PC-PT PC26
PC-PT PC20
PC-PT PC22
PC-PT PC24
PC-PT PC25

192.168.0.1
WRT300N
Block-B Wireless Router

192.168.2.1
Server-PT
Email Server

1841
192.168.3.1
Block - B Router

BLOCK - B

Block - B systems can be accessible wireless through Wireless router for the usage of Wi-Fi. Block - B router connects the wireless router, Email server and other block routers.

Block - C :

Block - C consists of 2 departments. Systems can be accessible Wi-Fi through wireless network. Block - C router is connected to the wireless router for the routing of data.

College Network Connections:



Result : Thus , simulating the college network connections using Cisco packet tracer is successfully done.