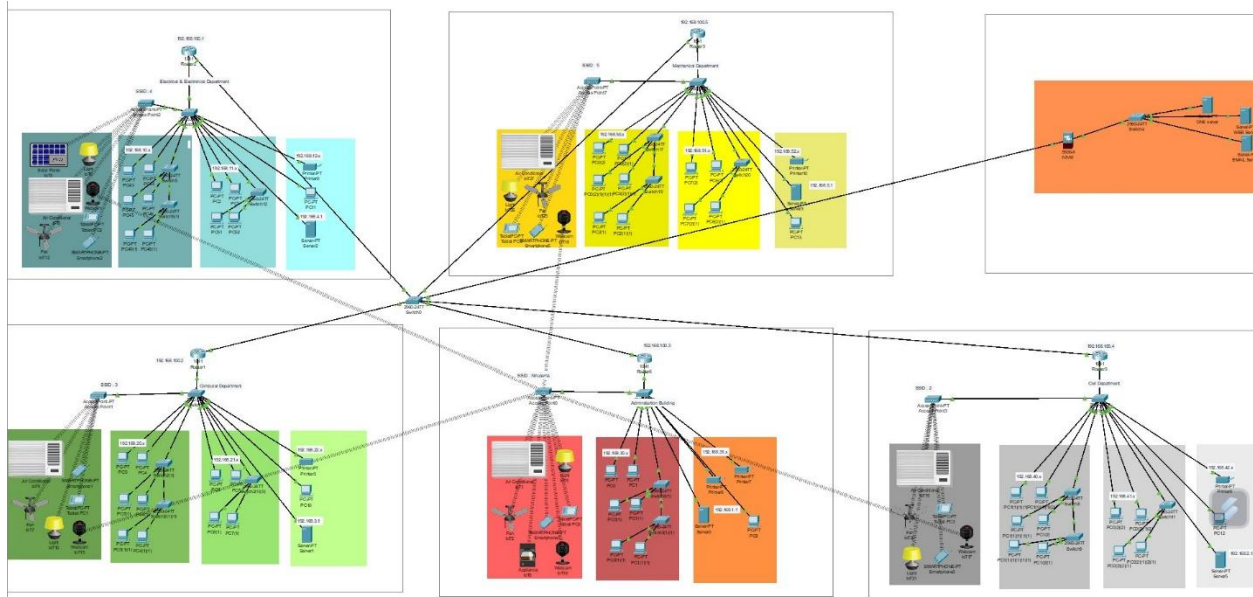# SMART UNIVERSITY

INDEPENDENT LEARNING AND IMPLEMENTATION

- Network Design overview

- IP Addresses

Electrical and electronics department

Main Router: 192.168.100.1

Main server: 192.168.4.1

Students' IP: 192.168.10.x

Teachers' IP: 192.168.11.x

Printers' IP: 192.168.12.x

Access point's SSID: 4

Computer department

Main Router: 192.168.100.2

Main server: 192.168.3.1

Students' IP: 192.168.20.x

Teachers' IP: 192.168.21.x

Printers' IP: 192.168.22.x

Access point's SSID: 3

Mechanical department

Main Router: 192.168.100.5

Main server: 192.168.5.1

Students' IP: 192.168.50.x

Teachers' IP: 192.168.51.x

Printers' IP: 192.168.52.x

Access point's SSID: 5

Civil department

Main Router: 192.168.100.4

Main server: 192.168.2.1

Students' IP: 192.168.40.x

Teachers' IP: 192.168.41.x

Printers' IP: 192.168.42.x

Access point's SSID: 2

Administration Building

Main Router: 192.168.100.3

Main server: 192.168.1.1

Teachers' IP: 192.168.30.x

Printers' IP: 192.168.31.x

Access point's SSID: Nirupama

Web cam acts as CCTVs. CCTV system is controlled by Administration building. Any student in any department can communicate with each other. Any student in any department can communicate with any teacher in any department. Any student in any department can not communicate with any printers in any department