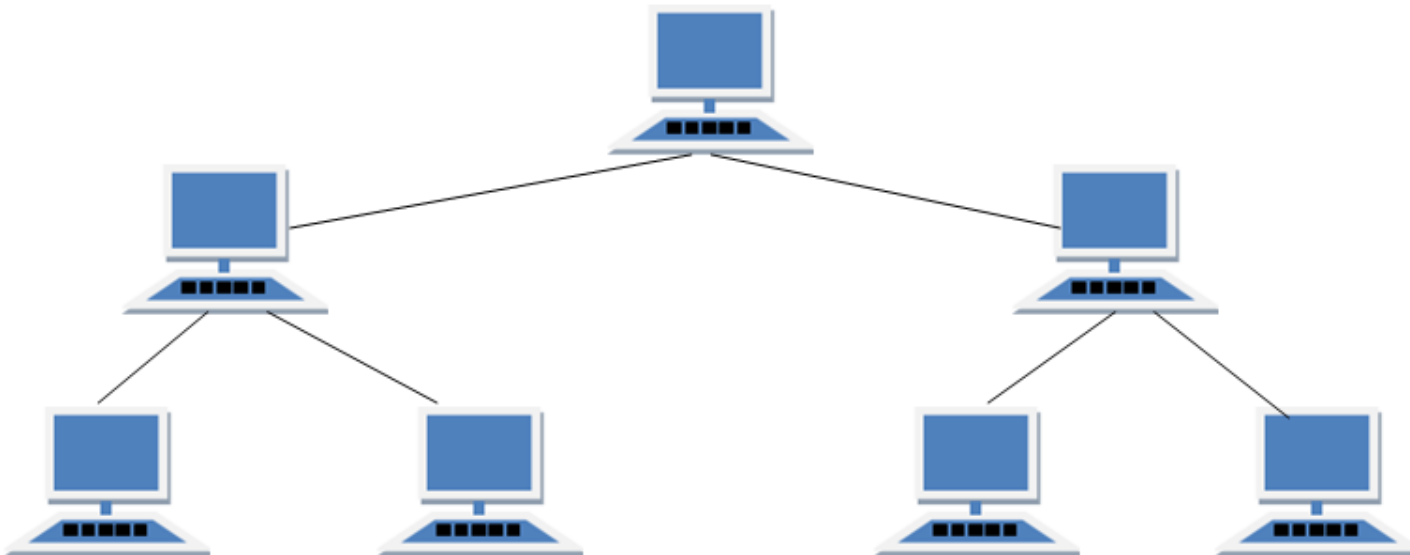# SABARAGAMUWA UNIVERSITY OF SRI LANKA

Presenter - K.C.S Ranasinghe

CURRENT OPERATIONS

- Wire and Wireless connectivity
- IP Phone Facility
- Video Conferencing
- IP Camera system
- Services
  - DNS
  - WEB
  - PROXY
  - Security
  - Library management servers
  - E-learning

NETWORK TOPOLOGY

TREE TOPOLOGY

VLAN in core switch (manage from locally)

- Every faculty having a IP range
- Static routing

- Single mode fiber for two faculties

- Multimode fiber for 3 faculties

- All host connected to the proxy policy

- Servers are not connecting to the proxy

EXPERIENCES

- Slowness and lot of disruption without voice vlan
- IP Camera traffic isolation (without NAS)
- Some of the switches are not supported for voice (hp)
- Minimise the power failures inside the server room

SUCCESSFUL STORIES

- Wlan with controller switch
  - Check system abnormalities
  - Easy management
- Remove ip camera system from the single NAS

FUTURE DEVELOPMENT PLANS

- Voice VLAN
- Connect IP phone to outside
- Ipv6 implementation
- Restructure power plans of the server room

THANK YOU !