
Wired & Wireless Campus Network

UBERCORE®

Overview

As the technology is evolving colleges and universities beginning to feel the need to have a robust network infrastructure that can support the connectivity needs.

With the experience of more than 10 years in Networking and Software technology Ubercore can help to leap across the challenges.

Challenge

The institution has more than 5000 students and staff who need network and Internet access to their workstations and mobile devices.

Key Challenges:

1. Administrative staff need reliable wired access
2. Teaching staff need high speed mobile access
3. Student need controlled network access
4. Isolation of networks for faculties and students

Solution

Campus Core

The core interconnects all the endpoints of the campus network and acts as a high speed hub. Firewalls need to be placed to protect the network from the Internet and to apply filter rules.

Optical and Ethernet based backbone network

Distribution and access switches are placed in each departments which are connected to the campus core using optical and/or Ethernet media. When the campus is very large and it is not practically possible or cost effective to lay out cables between buildings, we can deploy wireless links.

Wired access through Ethernet

Workstations and lab computers are connected to the network using Ethernet.

Wireless access through mesh wireless access points

Wireless devices such as mobile phones can be connected to the network using secure authentication process. Roll numbers, employee numbers or mobile numbers can be used for authentication.

Benefits

1. Policy based controlled access
2. Isolated networks for faculties and students
3. High speed Internet access
4. Centralized access control and management
5. Campus-wide network coverage

We can help you in your new project!
Contact us now, it's free!

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