

Institution has an IT policy covering wi-fi, cyber security, etc., and allocated budget for updating its IT facilities

College of Engineering Pune is having 2Gbps (1:1) Internet leased line connectivity from BSNL and 1Gbps NKN connectivity.

College of Engineering Pune has developed a full-fledged campus wide network using latest technology blade Servers, rack servers, Cisco router, switches, Wireless access points and wireless controller. This involved upgrading to 10Gbps fiber cable, installation of 11.4 Tbps and 2 Tbps switches in data center and hostel campus, having 1800 plus LAN nodes. Overall computing facility consist of approximately 1600 computing machines inclusive of desktop, laptop and workstations. Provisioning 100 latest desktops for computing centre in hostel.

Institute is having 1Gbps (1:1) Internet leased line connectivity from BSNL and 1Gbps NKN connectivity.

Institute IT infrastructure is strengthen with state-of-the art link load balancer, firewall, anti-virus, content filtering, video streaming, video conferencing and digital library server systems. Each student in the institute and hostel campus now has uninterrupted internet and intranet access via wired as well as wireless connectivity.

College of Engineering, Pune reinforced their state of the art data centre with 6800 series catalyst switches.

College of Engineering Pune is running 10GE backbone over Cisco catalyst 6800 series switch acting as a Virtual Switching System that translates to a system capacity of up to 22.8 Tbps. Cisco Adaptive Security Appliances (ASA) series firewall and wireless controller are incorporated into the switch. Wired/Wireless LAN Controller is used for controlling LAN /wireless network access.

In addition, Seqrite's Secure Web Gateway (SWG) solution is used to secure IT environment of institute.

Radware Alteon 5208S Link load balancer is deployed in data centre to terminate Internet link from different ISPs. COEP also uses Cisco catalyst 3600, 4500, 2900 series switches, HP and and Huawei 10G Switches across the campus for access.

The wireless service module 2 (WiSM2) supports higher client density with advanced wireless security. Video streaming technology for optimized video performance is also implemented.

The entire campus is Wi-Fi enabled with high speed of internet throughout the campus to allow students to connect anywhere in the college premises like class room, library, Auditorium, cafeteria and Hostel with Aironet 2700 and Aironet 2800 series Access points Dual-band, controller-based 802.11a/g/n/ac.

High capability networking and cloud services running over the data center deliver quality services and the performance that students, researchers and faculty require.

Softwares running on latest technology servers are Ansys 19, Matlab 22a, Hypermesh, Gate Software, SSPS, Esite, DFMA, ISM 6, Tally, Minitab etc.

Institute is having Microsoft campus agreement, which allows downloading Microsoft products for academic purpose.

Also Institute is having Open source software deployed at Institute like FOSS server, Moodle Server, Webserver, Mysql Sever, and LDAP sever etc.

Impartus Lecture capture software is used for lecture recording purpose. Cisco WebEx software and Microsoft Teams software is used for conducting online lectures, seminars and workshops. Slim software for library, MIS server, DHCP server DNS, Proxy and LDAP sever are deployed at institute.

Every faculty in the institute is having Laptop/desktop facility along with webcam and headset for conducting the online lectures. Most of the faculties are having printer facility.

Further IT infrastructure is enriched with deployment of Private Cloud Software Solution consisting HPE Helion along with Backup Solution (HP StoreOnce 3540 24 TB System for Disk Based Backup). The details of private cloud infrastructure is as

- Rack Server - HP- HPE Proliant DL 380 GEN 9
- HP Blade System c7000
- 2 - Way Blade Servers with Dual processor – HP-HPE Proliant BL 460C Gen 9
- Unified Storage Array solution with Dual Active-Active controllers - HPE 3PAR 7200 c

- Storage Area Network Switch - HPE 8/24 SAN Switch