Institute IT Infrastructure

Internet Facilities : The institutes have excellent facility for accessing internet. The internet can be accessed from each division, library, and hostel by faculty and students. Every student is provided one computer for use during the course period. It provides ample opportunity to explore internet resources, other programs for academic research and training activities. The institute has excellent IT infrastructure. The internet connection is being provided with ratio 1:1 with 50 mbps speed. The same is covered by an alternate link of 50 mbps broadband. Initially when the institution was started the lease connection was with bandwidth of 10 mbps. The same was updated to 15 mbps in the year 2015 and is updated to 50 mbps in the year 2016.

Wi-Fi Facility : An authenticate Wi-Fi connectivity is available in the institute where the Unique ID and Password for the access of Wi-Fi is provided to the student and staff of the institute. After implementation of Firewall in the infrastructure, the access is restricted to the authenticate users only. Initially this facility was not available.

Computers : The institute has adequate number of computers as specified by the statutory authorities. The total number of computers available at the institute is 553. Which are configured with Core 2 Deu and Dual core Processors, 2GB RAM and 500GB Hard disk. Initially in the year 2011 when the institute established the processors used in the computer was core 2 deu. Later in the year 2012, dual core processor was get into the computer machines. Presently the institute has dual core processor on more than 500 computers. The institute is optimistic as far as the infrastructural up-gradation is concerned. The institute intends to upgrade the PC's with latest configurations available. The institute intends to replace the non- functional parts with new parts. Non-working computer hardware components are used as models to demonstrate in the practical classes.

Power Back-up Facility: Nearly 105 KVA UPS facility is provided to avoid breakdown of work due to Power break. The power break up was one of the biggest problems before the installation of UPS system.

LAN /WAN Facility : The institute has well-connected LAN facility which is a hybrid LAN in terms of wired connectivity with star topology. The speed for LAN is 100 mbps, with which all the departments, central library, administrative office, all laboratories and hostel. At the time of

establishment the LAN facility was provided with BUS topology which later replaced with star topology.

Firewall: The IT infrastructure of the institution is protected with 'seqrite terminator firewall'. which manages bandwidth, filters web pages and restricts unauthorized access. Initially the network was managed using routers, which later replaced with firewall.

MOODLE Server : Institute has aim at minimum paperwork in terms of Student attendance, Submissions, Examination and assessment with the help of 'Moodle server'. The students and staff can work using 'Moodle' to carryout majority of the academic activities.

CCTV Surveillance : The institute in its IT infrastructure has installed CCTV surveillance in the year 2014-15. Initially there was analog cameras, which later updated with network HD cameras. The sensitive areas like Girls hostel, Reading Room, Library, and Corridor are covered with the CCTV surveillance.

- The institute has planned for incorporating following things in the near future:
    a) Smart boards
    b) Biometric Students attendance
    c) Seminar halls for cultural and extra-curricular activities

Consultancy and funds generation with the IT infrastructure and associated facilities: As one of the major online examination Centre in Satara region, YTC, for TCS-iON, conducted online examinations for MAHAVITRAN, RRB, IBPS, CWE, LIC, GATE, AIIMS, CAT, etc. and generated a fund Around by Rs. 12 Lakhs.