

IT INFRASTRUCTURE

IT Service Management

The EDP division of SRU is responsible for the maintenance of the IT infrastructure across campus. Some of the strategies for IT support have included periodic proactive maintenance, periodically monitoring the performance voluntarily to minimize system break down, receiving complaints from the end users in a common extension number, analysis of calls and diagnose the problem and prompt rectification. The institutional IT policy is developed along with implementation of e-governance in all area of University administration.

* **Information Security**

Authentication in the form of providing unique username and password to each and every user has been provided.

* **Network Security**

Sonic firewall which prevents unauthorized access either from outside through internet or through intranet

* **Risk Management**

Having the redundant server to facilitate periodic back up.

* **Software Asset Management**

A separate team which looks after all the software related issues and manages software asset.

* **Open Source Resources**

The linkage with the NKN facilitates open access resources through NPTEL and other web-portals

* **Green Computing**

Most of the Cathode ray tube monitors has been replaced with LCD / LED monitors. In some areas local area networks has been replaced by wireless network eg. auditorium, library, seminar hall and medical center.

* **Hospital Management Information System (HMIS) : implemented**

* **Electronic Medical Records System (EMR) : implemented**

* **Digital diagnostic and imaging systems including PACS : available**

*** Record Keeping**

The above services are maintained by the in-house electronic data processing (EDP) division. An electronic medical record (EMR), which is essential for administration as medico-legal evidence and also for teaching and research, is housed in a separate department (MR Department) located in the second floor of the Sri NPV Ramasamy Udayar Block (E2) and fifth floor of G block. Access to the records with authentication is facilitated. Ward records are maintained according to the Subjective, Objective, Assessment and Planning (SOAP) procedures to ensure uniformity in record maintenance. This SOAP format is in compliance with JCI (Joint Commission for International) and NABH (National Accreditation Board for Hospital) standards.

Number of systems with individual configurations	: 450 systems with dual core, i3 processors/ 250 GB HDD / 1 GB RAM / 19"LCD monitors (University)
Computer-student ratio	: 1:10 (excluding the laptops of the students)
Dedicated computing facilities	: Computers and printers are provided in each and every department.
Wi-Fi facility	: WiFi facility is enabled in library reading hall/Auditorium/and seminar halls
LAN facility	: Local area network facility is enabled in all the departments throughout the campus
Proprietary software	: Having license for Microsoft Windows XP/ Windows7/Ms office/ windows servers/Antivirus and firewall
Number of nodes/ computers with internet facility	: 150
Any other (please specify)	: Customized data analytic software for university e governance has been developed and deployed for day- to day in 2013
	: In house software developed by faculty – SMS database for Stocks; Chemical Web database site developed. Departmental activity based web portals

- To replace all the cathode ray tube monitors with LCD and to increase the coverage of WiFi areas.
- programs
- To increase the number of e-classrooms to enable web-based teaching learning aximize the use of the e-governance portal to enable paperless and good governance

Every staff and students are given id and password for accessing the EBSCO, ez-proxy, etc., databases.

Learning resources are provided in the webpages of constituent faculties through SRU-website. A multimedia- e-lesson preparation team support the faculty members to infuse –technology in their ICT-resources.

Laptops, deskstop, LCD projectors, digital boards are provided. Full paper access to all specialty journals available.

Classrooms are equipped with LCD projectors. Some classrooms in medical college are upgraded as e-classrooms with smart boards. Access to the lecture notes, library books and e-journals is possible by the individual login and password. Online access is also available in clinical areas where students can enhance clinical learning nearer to the bedside of patients.

Computers and accessories are maintained by the hardware team of ICT departments. ICT team help is available for animation of the contents of the lectures. Training for preparation of the computer-aided teaching-learning is also provided in the faculty development program. preventive measures and breakdown maintenance.

SRU has subscribed for National Knowledge Network (NKN) connectivity which is a Government of India initiative for sharing of resources including teaching –learning modules for eventually joining the Open source Community. The 1 GB- bandwidth is extended to all constituent units of SRU.