

XUB COMPUTER RESOURCE CENTRE (CRC)

The Computer Resource Centre (CRC) provides IT resources to the students, faculty and staff. The University provides notebooks and workstations to all faculty and staff. All the computers are connected to the Campus LAN/ Wi-Fi, which is supported by Fibre Optic backbone. In addition, wireless hotspots are spread all across the campus making it possible to remain connected anywhere in the campus, all the time. The campus network covers the University academic block, classrooms, library, hostels and faculty residences. All members on the intranet have access to the internet 24X7 through 300 MBPS leased lines.



The CRC has designed, developed and implemented many software applications in the University and outside. These include open source Academic Information System (**HIBISCUS**), HR System, Alumni Information System, Library Information System (LIS), Project-based Accounting Information System (**PAMIS**), Inventory Management System, Pay Roll System, Leave Accounting System, File Management System, Office Automation System, Examination On-Line (EOL) and I-Survey. Furthermore, a state of the art n-tier web enabled application to suit the needs of the transforming university - XUB ELVIS is being designed based on the Open Source platform as part of the Digital University mission. **XUB ELVIS** will facilitate student learning across the world on a 24X7 basis via multiple modes for the greater good of the society.



XUB is a member of the **University Alliance Programme of SAP** and has access to SAP ERP and BW systems with courses leveraging the SAP software. XUB is covered under Microsoft's Campus License program, giving the students the option to run a selection of products, and any upgrades or downgrades of those products.



Microsoft Corp has partnered with Xavier University in their vision towards developing the student's skill base and adoption of new technologies by setting up **Xavier Microsoft Phoenix Lab**, the **first of its kind** in India to prepare the students for the new cloud enabled world. XUB also hosts massively empowered classroom with access to all Microsoft content and certification tracks.

Xavier IT Backbone Network Infrastructure work has been carried out by IBM supporting Juniper Networks devices for data and Astra (previously Ericson) for voice IPBX devices. The fibre backbone network is high capacity network with a 10G speed, scalable up to 192Gbps and supports integration of data, voice and video. The architecture is scalable to support 10000+ users. Campus citizens can access resources from anywhere, and from any devices – mobile, tablet, or notes.



Xavier University has set up their own data centre with in-house DNS system on the **Xavier Cloud** and secured the websites through SSL certificates. It has the capability to host multiple websites with DMZ zone configuration of web servers and firewall policies in place. Xavier University uses **Zimbra Email Collaboration**, providing the end users full synchronization between all their devices to offer a world-class, open source collaboration software consumable for the University.