



15. UNIVERSITY COMPUTER CENTRE

The main Computer Centre of the University, located in the University Campus, at Vigyan Bhawan is running MCA Programme. The intake capacity of MCA course is 60. Out of these, 30 seats are on self-financing basis. It also conducts training programme for faculties as well as other staff of the university to make them utilise the facilities available in the computer center. The computer center is well equipped with modern computing facilities consisting of UNIX (RISC based Digital Alpha System), Linux (IBM Xeon Server), Windows NT (Compaq Proliant), and Windows 2003 (Wipro Netpower Itanium based servers). It also has a number of PCs (which can work as clients to all the servers as well as can access Internet), multimedia systems, thin clients, Laser, Line Printers, Network Printer, multifunction printer etc. In addition to standard, thin clients, Laser the Center also has softwares like Oracle Database Server, Web Developer suite, Visual Studio, SPSS, Mathematica, Matlab, Rational Rose, Dview (Network Software), MSDN academic alliance etc. University also has an Internet Centre with optical fiber cabling as well as wireless networking, 100 Mbps/ 1Gbps switches to provide fast and reliable access across the campus. MCA students use these facilities freely for unlimited hours for e-mail, web surfing, down loading lecture notes/technical articles etc. Laboratory facilities are also available for computer hardware, microprocessor, networking and communication practicals. Main facilities are listed below :

Hardware : RISC based Digital Alpha 500au workstations, Compaq Proliant work-stations, SGI Octane workstation, IBM Xenon Server (Dual Processor), Sun Netra Server, Compaq workstations, Wipro Netpower, Pentium based PC's with different configurations, 512 Kbps VSAT, cable based internet connection.

Software : Operating Systems - Digital Tru65 Unix, Microsoft Windows NT Server/ Workstation, Windows 2003 Server, Sun Solaris, Novell Netware, Redhat Linux, Microsoft Window Vista/XP/2000/98 MS-DOS, Database Systems : Oracle Web Developer Suite, Sun Java Workshop, Microsoft Visual Basic, Microsoft Visual C++, Microsoft Visual Studio, WSAD Eclipse. Compilers : C, C++, Cobol, Pascal, Fortran 90, Application Packages : MS Office 2007, SPSS, Adobe Photoshop, Chem Office, Mathematica, Matlab, Rational Rose, Dview etc.

The University Computer Center also offers research programme. Presently, active research programmes going on at University Computer Center are image and analysis, embedded system and computer security. The University Computer Center also organises training programme on IBM Products for its MCA Students. University Computer Center has its own Software Development Center to develop Software for the University and MCA Students are normally encouraged to participate in the programme.