The Computer Centre is fully equipped with 1300 numbers of desktops and 19 servers. The entire campus is networked through OFC. In addition to this 1400 numbers of laptops are connected through controller based Wi-Fi network connectivity. Licensed software to fulfill the needs of staff and students are available. Apart from the furnished list of software we use Open Source software also.

The features of Networking:

**Wi-Fi Environment:**

- Firewall security and policy based Aruba 3600 wireless controller
- Captive portal for guest user authentication
- Remote AP for branch office facility
- Air Monitoring
- Signal range covering Hostels, administrative, academic area of entire campus of 5,22,000 sq.m

**Wired Environment:**

- 1 Gbps Backbone Switches for all buildings
- Configured Virtual - LAN for reducing unnecessary broadcasting
- Access control list for unauthenticated users
1. **HP – BLADE SERVERS**

HP PROLIANT BL260C G5
DUAL PROCESSOR CAPABLE MODEL
QUAD-CORE INTEL® XEON® PROCESSOR E5420
(2.5 GHz, 1333 FSB, 80W)
2 x 6 MB LEVEL 2 CACHE
4 GB PC2-5300 REGISTERED DDR2-667
HP 250GB 1.5G SATA 5.4K NHP SFF ETY HDD for BL260C G5
HP 300GB SASTA 10K HDD for SB40c STORAGE BLADE
ONE (1) EMBEDDED DUAL-PORT NC326I GIGABIT
SERVER ADAPTER
NETWORK ADAPTER PLUS ONE (1) ADDITIONAL 10/100
NETWORK ADAPTER
DEDICATED TO ILO 2 MANAGEMENT

**NUMBER OF SERVERS: 2**

2. **IBM SERVER X3650 (7979 IA7)**

INTEL XEON 5450 (DUAL CORE) 3.00 HZ PROCESSOR
12MB L2 CACHE / 1333 MHZ FSB
4 GB ECC DDR 2 MHZ RAM
600GB SAS 152 RPM
300 GB SAS 15 K HS HARD DISK DRIVE
CD RW / DVD COMBO
INTEGRATED DUAL GIGABYTE ETHERNET CARD
835 W POWER SUPPLY
INTEGRATED RAID CONTROLLER WITH RAID 0.1 SUPPORT

**NUMBER OF SERVERS: 5**
### 3. HP PROLIANT DL 380G4 XE-3.4 GHZ SERVER

- 2*XEON PROCESSOR @ 3.4 GHZ
- 4 GB PC2-3200R DDR2 SDRAM
- RUNNING AT 400MHZ EXPANDABLE TO 12 GB
- 2MB L2 CACHE PER PROCESSOR
- INTEL E7520 CHIPSET
- 3*72 GB HOT PLUGGABLE SCSI HARD DRIVE IDE
- DVD ROM DRIVE
- NC 7782 DUAL PORT PCI_X GB ADAPTER
- ULTRA 320 SMART ARRAY 61 CONTROLLER
- WITH 128 BATTERY BACKED WRITE CACHED
- 1.44 MB FDD
- SIX HOT SWAP ULTRA 320 SCSI DRIVERS
- RACK MOUNTABLE 2U FARM FACTOR

**NUMBER OF SERVERS: 3**

### 4. ACER ALTOS G510 XEON @ 2.4GHz

- 2 GB DDR RAM ECC
- 36 GB*5 (180 GB) SCSI
- 1.44 MB FDD
- 52X CD –ROM
- 15” COLOR MONITOR
- BROADCOM NET XTREME GIGA BYTE ETHERNET CARD
- ACER SCROLL MOUSE
- ACER KEYBOARD

**NUMBER OF SERVERS: 2**
5. ACER ATLAS G330 SERVER

INTEL XEON 5450 (DUAL CORE) 3.00 HZ PROCESSOR
12MB L2 CACHE / 1333 MHZ FSB
4 GB ECC DDR 2 MHZ RAM
2*300 GB SAS 15 K HS HARD DISK DRIVE
CD RW / DVD COMBO
INTEGRATED DUAL GIGABYTE ETHERNET CARD
835 W POWER SUPPLY
INTEGRATED RAID CONTROLLER WITH RAID 0, 5
KEYBOARD
OPTICAL MOUSE

NUMBER OF SERVERS: 3

6. HP Proliant ML110 G5

DUAL-CORE INTEL® XEON® PROCESSOR 3110 PROCESSOR
(3.00 GHZ, 65W, 1333 MHZ FSB, 6M)/ 6GB UB PC2-6400
(3 X 2GB)/HP EMBEDDED 6 PORT SATA CONTROLLER WITH
EMBEDDED RAID (4 PORTS FOR HDD)/ 250GB 7.2K
NHP MDL SATA HDD, HH SATA DVDROM, KEYBOARD & MOUSE

NUMBER OF SERVERS: 4
DESKTOP SYSTEMS

IBM Think Centre M57e (Lenovo)

Intel Core-2 Duo Processor E6550 (2.66 GHz, 6MB L2 Cache / 133MHz FSB)
Intel G31 chipset (Support for 1333 MHz FSB Processors)
Integrated Graphics Media Accelerator
2 GB DDR2 RAM 667 MHz FSB
160GB SATA Hard Disk (7200 RPM)
15” TFT /LCD Color Monitor
Internet Multimedia Keyboard
Optical Scroll Mouse with Pad
Onboard Gigabit LAN (100/1000/ MBPS/1 GB)
6 USB ports, 2 DIMM Slots, 1 Parallel Port
2 PCI Slots, 1 * PCI Express 1 x PCI Express 16X Slot
Inbuilt Speakers

Number of PC’S: 410

Acer Veriton M2 Series

Intel Quad Core 2 Processor Q8200 @ 2.33 GHz
4 GB DDR2 RAM
250GB SATA Hard Disk
18.5” TFT Color Monitor
Internet Multimedia Keyboard
Optical Scroll Mouse with Pad
Onboard Gigabit LAN (100/1000/ MBPS/1 GB)
6 USB ports, 2 DIMM Slots, 1 Parallel Port
2 PCI Slots, 1 * PCI Express 1 x PCI Express 16X Slot

Number of PC’S: 360
HCL BUSYBEE

PENTIUM– III @ 2.8 GHZ
256 MB SDRAM
1.44 MB FDD
40 GB HDD
15” HCL COLOR MONITOR
52X CD-ROM
10/100 MBPS ETHERNET CARD
PS/2 MOUSE
HCL KEYBOARD

Number of PC’S: 10

INTEL CELERON @ 266 MHZ

64 MB RAM
512 KB Cache
IDE Controller
14” PCI VGA COLOR MONITOR WITH 2 MB
2 GB HDD
1.44 MB FDD
104 KEYBOARD
14” MONO MONITOR
32 BIT ETHERNET CARD WITH REMOTE
BOOT ROM 200W SMPS

Number of PC’S: 30
HCL BUSYBEE

PENTIUM- III @ 2.4 GHZ
256 MB SDRAM
1.44 MB FDD
40 GB HDD
15” HCL COLOR MONITOR
52X CD-ROM
10/100 MBPS ETHERNET CARD
PS/2 MOUSE
HCL KEYBOARD

Number of PC’S: 45

ACER APSLE DESKTOP-IV @ 2.4 GHZ

128 MB RAM
40 GB HDD
1.44MB FDD
52X MAX CD-ROM
15” ACER COLOUR MONITOR
STANDARD 104 KEYS KEYBOARD
10/100 PCI ETHERNET CARD
PS/2 MOUSE

Number of PC’S: 50

INTEL PENTIUM III @ 800 MHZ

128 MB RAM
20 GB HDD
1.44 MB FDD
SAMSUNG MONITOR
MAGIX CABINET
ACER 108 KEYS KEYBOARD
LOGITECH THREE BUTTON MOUSE

Number of PC’S: 40

HP PENTIUM IV

INTEL PENTIUM IV PROCESSOR @ 3.4 GHz
INTEL 915-G EXPRESS CHIPSET MOTHER BOARD
512 MB DDR RAM
80 GB SATA HARD DISK
48X CD-ROM DRIVE
1.44 MB FLOPPY DISK DRIVE
10/100 FAST GIGABITS ETHERNET CARD
15” COLOUR MONITOR
MULTI MEDIA KEY BOARD
OPTICAL MOUSE

Number of PC’S: 50

HP PENTIUM IV

INTEL PENTIUM IV PROCESSOR @ 3.0 GHz
INTEL 915-G EXPRESS CHIPSET MOTHER BOARD
512 MB DDR 2 RAM
80 GB SATA HARD DISK
48X CD-ROM DRIVE
1.44 MB FLOPPY DISK DRIVE
10/100 FAST GIGABITS ETHERNET CARD
15” COLOUR MONITOR
MULTI MEDIA KEY BOARD
OPTICAL MOUSE

Number of PC’S: 100
HCL INFINITI 1230 COMPRISING

INTEL PENTIUM D @ 3.4 GHZ DUAL CORE PROCESSOR,
2*2 MB L2 CACHE 800 FSB
INTEL 945 G CHIP SET
1*SERIAL, 1* PARALLEL AND 6* USB PORTS (2 FRONT)
MICRO-ATX CABINET
1 GB DDR2 RAM
80 GB SATA HARD DISK DRIVE @ 7200 RPM
52X CD WRITER
15” HCL DIGITAL COLOR MONITOR
HCL INTERNET MULTIMEDIA KEYBOARD
HCL OPTICAL SCROLL MOUSE WITH PAD

Number of PC’S: 45

PENTIUM IV

INTEL PENTIUM IV PROCESSOR @ 1.6 GHz
MERCURY MOTHER BOARD
1 GB DDR 2 RAM
80 GB SATA HARD DISK
48X CD-ROM DRIVE
1.44 MB FLOPPY DISK DRIVE
10/100 FAST ETHERNET CARD
15” TFT COLOUR MONITOR
MULTI MEDIA KEY BOARD
OPTICAL MOUSE

Number of PC’S: 160
LIST OF SOFTWARE

MICROSOFT CAMPUS – AGREEMENT

- Windows Vista – KMS
- Expression Web
- Windows Server 2003 R2, x32 Ed.
- SLP Server Standard
- SLP Server Enterprise
- Office XP Applications
- Windows Web/HPC Srv 2008 KMS A
- Win Srv 2008 Data Ctr/Itan KMS C
- Windows Server 2003 R2 x64 Ed.
- Office 2007 Suites
- Office 2007 Applications
- Windows Server 2008 Std/Ent KMS B
- Office 2003 Applications
- Windows XP Prof, x64 Ed.
- Office 2003 Suites
- Windows XP Professional
- Windows Server 2003
- Office XP Suites
- Win Srv 2008 R2 Data Ctr/Itan KMS C
- Windows Server 2008R2 Std/Ent KMS B
APPLICATION SOFTWARE:

- Turbo C++ Ver. 3.0
- Borland C++ Ver. 4.5
- Turbo Pascal Ver. 7.0
- Fortran Ver. 77
- Office XP Pro Ent win32
- Visual Studio Ver. 6.0 Professional
- Microsoft visual Interdev
- Interdev Msdn
- Service pack 3.0
- Visual studio J++
- MSDN Library
- MSDE for visual studio training
- Visual studio.net
- Visual studio.net academic
- Arc view in GIS 3.1
- Up gradation of Arc view 9
- Starp 8.0
- Starp 10.5 Up-gradation
- Altium
- Kanal
- R FEM
- Matlab 6

**Autodesk Programme**
- Autocad development desktop
- Autodesk civil design
- Autodesk mechanical desktop
- Autodesk mechanical desktop
- Autodesk Inventor
- Autodesk civil design
- Autodesk survey
- Autodesk survey 2i
- Autodesk architectural desktop 3.3
- Autodesk inventor 4
- Autodesk architectural desktop 3.3
- Autodesk land development desktop

**3d Max:**
- Plug in partner
- View point
- Producer Creator & Player
- Vector 3d max
- Encoder
- Combustion
- Arch T for AutoCAD
- AutoCAD R14
- Macromedia 4.0
- Macromedia Dream weaver 4.0
- Macromedia Flash MX
- Macromedia Fireworks MX
- Macromedia Freehand MX
- Macromedia Cold fusion

Adobe 6.0:

- Adobe Go live
- Adobe Photoshop
- Adobe Illustrator
- Adobe Live motion
- Barcode Argobar Lite
- Tally 6.3
- McAfee Antivirus SMB Edition
- English Lab (Perpetual)
- ETAP
- PSCAD
- Image Processing S/W WIT Ver 8.0
- Multi Sim / Ultiboard Ver 9.0
- Symantech Norton
- McAfee 8.5 i Enterprise Edition
Operating System

- Windows 98
- Windows NT Server 4.0 with Visual Studio 97 packages
- Windows 2000 Server
- Unix
- Red Hat Linux 7.1
- Red Hat Linux 9.0
- Back office Server 4.5
- Windows XP Professional
- Microsoft office 2000 professional Microsoft outlook System Management Server
- Windows 2000 professional
- Oracle 7.3 work group server with user for NT
- Oracle 9g

E-Learning SYSTEMS

- NPTEL – 3000 Video Content
- Moodle’s E-Learning