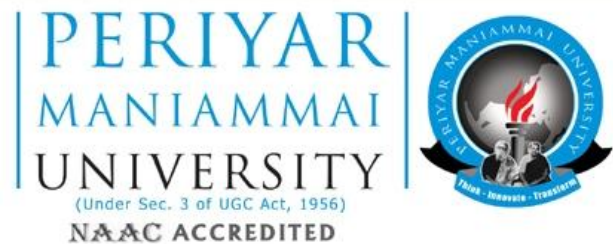


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## **Dr. KALAINAR M. KARUNANITHI COMPUTER CENTRE**

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

# SERVER

## 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  
KEYBOARD  
OPTICAL MOUSE



**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 MI110 G5**

DUAL-CORE INTEL® XEON® PROCESSOR 3110PROCESSOR

(3.00 GHZ, 65W, 1333MHZ 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 ETHWERNET 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