



Department of MCA

LAB INFRASTRUCTURE





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COMPUTING RESOURCE

SERVER ROOM

S.NO4.	Server Configuration	Quantity
1	Infodot Server Intel® Xeon Cpu 2.40GHZ, Hdd 40GB, Ram 1GB, Dell Lcd 18.5inch dvd writer keyboard mouse	1
2	Sun Server Intel® Xeon 2.40GHZ Ram 1GB,Hdd 80GB dvd combo, Lcd 17inch keyboard mouse	1
3	Wipro Server Intel® Xeon Cpu 2.40GHZ, Hard disk 210GB (SCSI HDD 3),Ram 2GB, Dell Lcd 18.5inch dvd writer keyboard mouse	1
4	Lenova Think Centre M900, Intel core i5 7 th Gen, 16GB RAM, 500 GB HDD, Hp Monitor 17 inch, HP Keyboard, Lenovo Mouse	1

SERVER ROOM NETWORKING DETAILS

S.No	Brand	Port	Quantity
1	Compex Switch	24	1
2	D Link Hub	24	2
3	D Link Switch	24	6
4	Net Gear Switch	24	3
5	Link SyS Switch	24	5
6	D Link Patch Penal	24	13



COMPUTING RESOURCE – LAB EQUIPMENT DETAILS

LABORATORIES(C-WING)

Investment on the Laboratories : 30 Lakhs Number of systems : 81 Nos



DELL Desktop(10)	HP Desktop(71)
Intel Core i5, Processor – 2.50GHz, 8GB Ram, 500GB HDD, Wipro-17 inch, Keyboard, Mouse, Windows 7 Ultimate 64-bit Operating System.	Intel Core i5, Processor – 2.50GHz, 8GB Ram, 500GB HDD, HP-17 inch, Keyboard, Mouse, Windows 7 Professional 64-bit Operating System.

LABORATORIES(D-WING)

Investment on the Laboratories : 30 Lakhs Number of systems : 78Nos

HP Desktop(10)
Intel Core i5,6500 processor 2.50GHZ, RAM 16GB , HDD 500GB, LCD 17inch, Keyboard, mouse Windows 7 Ultimate 32-bit Operating System



COMPUTING RESOURCE – LAB EQUIPMENT DETAILS

- All 150 systems Networked with RJ45 Cable as backbone
- Networking Setup Structurally established with following
 - Netlinks Switches
 - Netlinks Patch Cards
 - I/O Converters
- With power backup Generator 125 Kva
 - 200 liters diesel capacity which can run more than 8 hours for 140 systems
- Reliance Net connection - 1Gbps dedicated line 1:1



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OS & SOFTWARE USED LABORATORY

Name of the Software	Purpose of the Software	Version, if any	License
Linux Fedora Core 37	Server	37	Open Source
CC (C- Compiler Linux version)	C- Language Compiler		Open Source
gcc & g++ (C++- Compiler Linux version)	C++ Compiler		Open Source
gnasm (Assembler Linux version)	Assembly Prg. Compiler		Open Source
MySQL & PostgreSQL (Linux version)	RDBMS		Open Source
JAVA (jdk 2.5 Linux version)	JAVA		Open Source
APACHE TOMCAT (Linux version)	Web Server		Open Source
Eclipse Studio (Linux version)	Web Apps Studio		Open Source
Gimp (Linux version)	GNU Image Manipulation Program		Open Source
Open Office 1.5 (Linux version)	Office Package		Open Source
Weka (Linux & Windows version)	Datamining Tool		Open Source
Umbrello UML Modeller(Linux version)	Unified Modeling Language Programme		Open Source
KUML (Linux Version)	CASE tool		Open Source



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SOFTWARE PACKAGES AVAILABLE IN COLLEGE

Name of the Software	Purpose of the Software	Version, if any	Year of purchase	Number of Licenses
Microsoft® Windows NT® Server 4.0	Server	4.0	2002	01
Microsoft® Windows NT® Workstation 4.0	Client	4.0	2002	01
Microsoft® SQL Server TM 2000 Standard Edition, Oracle 10g express edition	RDBMS		2002	01
Microsoft® Visual Studio® 6.0 (Full Pack)	Visual Prog	6.0	2002	01
Microsoft® java11	JAVA Prog	11.0	2002	01
Microsoft® Proxy Server 2.0	Net Sharing	2.0	2002	01
Microsoft® Exchange Server 4.0	Intranet	4.0	2002	01
Microsoft® Office 2007, 2016 Professional	Office docs	XP	2018	01
Novell 4.2	Network OS	4.2	1998	105
Sun Solaris 5.0	OS	5.0	1999	01



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SOFTWARE PACKAGES AVAILABLE IN COLLEGE

Name of the Software	Purpose of the Software	Version, if any	Year of purchase	Number of Licenses
WASD 5.1.2 (windows / linux)	Web Design	5.1.2	2007	01
DB2 8.2 (windows / linux)	RDBMS	8.2	2007	01
Db2 Training Material	RDBMS help	8.2	2007	01
WAS 5.1 (windows / linux)	Web tool linux	5.1	2007	01
IBM Community Edition Software (windows / linux)	Web Design		2008	01
Rational Unified Process (RUP)	UML		2007	01
Service Oriented Architecture (SOA)	Learning Mat		2007	01
IBM Academic Initiative Resource Kit	Learning Mat		2008	01
IBM Academic Initiative Courseware Kit	Learning Mat		2007	01
WASD 5 Audio-Visual Tutorial	Learning Mat		2007	01
Linux Fedora Core 13	OS			