



SELF STUDY REPORT

Criterion 4 Infrastructure and Learning Resources

Metric 4.3.1

- ◆ Number of computers with Configuration (provide actual number with exact configuration of each available system)

Computers:

S. No	Make	Desktop Configuration	Qty.
1	HP	C2D, 1GB RAM,160 HDD, keyboard, Mouse,15" LCD, DVD ROM	120
2	DELL	C2D, 2GB RAM,160 HDD, keyboard, Mouse,18.5" LCD, DVD ROM	60
3	DELL	Core i3, 2GB RAM, 500HDD,Keyboard ,Mouse,18.5" LCD, DVD ROM	60
4	DELL	Core i5, 4GB RAM, 500HDD,Keyboard ,Mouse,18.5" LCD, DVD ROM	60
5	PANACHE AIO	All-in-One PC: Core i5, 4GB RAM, Keyboard ,Mouse with VDI	60
6	Asus AIO (Admin Staff)	Intel Pentium J2900(2M Cache,2.67 GHz),2GB DDR3 RAM,500GB HDD 19.5" Monitor	6
7	Dell Optiplex 390	Corei3,4GB RAM, 500HDD,Keyboard, Mouse, 18.5" LCD	2
8	Senses Intelligent Interactive Panel	Core i5 4GB RAM,500 HDD, Bluetooth 4.0, Wi-Fi 2.4Ghz and 5.0 Ghz, Ethernet, USB, HDMI, S-Video, VGA, Audio 20Wx2 and 15W sub-woofer,65" Touch Screen , Toughened glass Level 7 MOHS Std	1
		Total :	368

Servers:

1	Acer Server	Acer Altos R700 P4 Xeon, 2.8 GHz, 1GB ECC DDR, 36GB * 2 Ultra 320 Hot Swap HDD, Two Giga-bit Ethernet Network Cards, CDROM Drive	1
2	DELL	Dell PowerEdge R710 Intel Quad Core E5506 Xeon CPU, 2.13GHz, 4M Cache,24GB RAM 500GB 7.2K RPM SATA 3.5,Integrated Two Broadcom 5709C	1



		dual-port Gigabit Ethernet	
3	DELL	Dell Power Edge 860 Intel Xeon 2.40Ghz 2Gb DDRAM 160 SCSI HDD CDROM Drive	1
4	Assembled	AMD FX-8350 8 core Processor 32 GB RAM 1 TB HDD 2 Gigabit Ethernet DVD WR	
5	HPC	Intel Xeon Processor 16 GB RAM 1 TB HDD 22" LCD C2075 Tesla NVIDIA, QUADRO 6000 NVIDIA, GTX 690 NVIDIA	2
6	DELL	PowerEdge R430 Server: Intel Xeon E5-2603 v4 1.7GHz,15M Cache,6.4GT/s 16GB x 2nos.(32GB)RDIMM, 2400MT/s 1TB x2nos. 7.2K RPM SATA 6Gbps 2.5in Hot-plug Hard Drive DVD RW	1

◆ Computer-student ratio

1:1

◆ Standalone facility

All the devices in our institute are well connected by our intranet and to the internet.

◆ LAN facility

Switches and Routers:

S. No.	Name of the Item	Description	Qty.
1	Cisco	Cisco 3600 2 Serial Port 2 Fast Ethernet Port	1
2	Dlink	Dgs3100-24tg - 8port 10/100/1000 + 16 SFP slots	1
3	Dlink	Des3026 1000 24 port	5
4	Dlink	Fibre Switch 8 Port Gigabit	2
5	Intel	Intel Gigabit Express Switch 24 Port	2
6	Elixir	50 U Rack	2

◆ Wi-Fi facility

Wi-Fi Access Points:

S. No.	Name of the Item	Description	Qty.
1	Tp-Link	TL WR541G Wireless Router	3
2	Tp-Link	WLTL-WA5210G Outdoor Access point	2
3	Cisco	Linksys E3200	1

◆ Licensed software

List of System Software



S. No	Software
1	Microsoft Campus License
2	Windows 10 Edu.,Ent. & Pro.
3	Windows 7 Ent.,Pro
4	Windows 8.1 Ent.,Pro
5	Windows Thin PC
6	Windows Xp Professional
7	Windows XP Tablet PC Edition
8	Win Srv 2008 Data & R2
9	Windows HPC Server OS 2008 R2
10	Windows Server 2012 Standard & R2
11	Windows Server 2016 Standard
12	Windows Server 2019 Standard
13	Ubuntu (All Versions)
14	Fedora (All Versions)

List of Application Software

S. No	Software
1	Microsoft Campus License
2	Turbo C++
3	Java
4	Visual Studio Professional 2017,2019
5	Office 2007
6	Office Professional 2010,2013,2016 & 2019
7	SQL Server 2014,2016,2017 & 2019
8	WAMP
9	Apache
10	Postgres SQL
11	MySQL
12	IBM Rational Software suite
13	MATLAB 7 R2007b

◆ Number of nodes/ computers with Internet facility

S. No	Make	Desktop Configuration	Qty
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		Total :	368

Printers and Scanners:

S. No.	Name of the Item	Description	Qty.
1	Xerox Work Centre 7120	Xerox , Online Printer & Scanner	1
2	Ricoh MP 2000L	Xerox , Online Printer & Scanner	2
3	EPSON LQ 300+	32 Column	1
4	EPSON L360	Copier ,Printer ,Scanner	5
5	EPSON L380	Copier ,Printer ,Scanner	1
6	EPSON L565	Copier ,Printer ,Scanner	1
7	Epson PLQ20	Cheque Printer	1
8	HP Laser Jet P1007	Laser Jet Black White	1
9	HP Deskjet Inkjet Printer	Laser Jet Black White	15
10	HP Laser Jet P1106	Laser Jet Black White	1
11	HP Scanner 5590	Auto Feeder Scanner	1

LCD/HD Projectors:

S. No.	Name of the Item	Description	Qty.
1	Acer	2500 ANSI 4000:1 Contrast Ratio Projector VGA, AV IN	10
2	NEC	2800 ANSI LUMENS with HDMI VGA AV	10
3	OHP	Overhead Projector	1
4	Vivitek	3500 ANSI LUMENS with HDMI VGA AV	15
5	Vivitek	Vivitek Model DW-832 Brightness 5000AL Resolution WXGA(1280x800) Inputs: VGA,HDMIx2	1
6	Aethra VegaX3 VC	ISDN BRI and 2 Mbps over IP (H.323 or SIP networks) Dual	2



	Unit	stream Video, MCU connects	
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Camera and Recording Devices:

S. No.	Name of the Item	Description	Qty.
1	Canon	Canon EOS 600D	2
2	Panasonic	Panasonic HDC MDH1GC-K	1
3	Avi-tech	Avi-tech CM633 with Audio Dome Camera (Class Room)	17
4	DAHUA	DVR 16 Port	1
5	Travizia	DVR 8 Port	3
6	Travizia	DVR 4 Port	1
7	Travizia	DVR 16 Port	2
8	Travizia	Dome Camera	34
9	Panasonic	Panasonic AVCCAM	1

Biometric Devices:

S. No.	Name of the Item	Description	Qty.
1	Bio enable	Thumb Scanner	1
2	Realtim T75 Iris	Face ID Attendance	1

Generator and UPSs:

S. No.	Name of the Item	Description	Qty.
1	Kirloskar	100 KVA Diesel Generator	1
2	Champion	5 KV 2 Hours Backup	1
3	Champion	2 KV	1
4	Champion	3 KV	1

All the computer labs are connected with internet through Wi-Fi with 32 mbps speed.