

NAAC WRITE-UP

4.3.1. Institution frequently updates its IT facilities including Wi-Fi

Describe IT facilities including Wi-Fi with date and nature of updation within a maximum of 500 words

The institute possesses 16 mounted projectors, 2 portable projectors, 6 mounted LED TV, 1 portable LED TV, one smart digital podium, Studio Online lecture VC. The audio systems have been installed / portable for each department. There are 18 Technology Enabled Classrooms with LAN/Wi-Fi facility, LCD projectors etc., The smart class rooms and seminar Halls and open auditorium are used to conduct the special programmes like seminars, workshops, symposiums, cocurricular and extra curricular activities.

There is a dedicated video / lesson recording studio.

The existing network configuration includes –

- Tech routes 1725 router
- Sophos XG firewall
- D-Link DES 1226G
- Cisco catalyst switch 2690
- D-Link switch DFS1224D
- D-Link switch DES104D
- D-Link switch DES1024D
- IBM Blade center
- IBM application server
- Hp server HP Pro 3090 MT
- Hp Xeon Server
- Hp Xeon Server ProLiant
- D-Link Wi-Fi DWL-2100AP
- TP link WI-Fi
- Outdoor AP
- AIRPRO XDS9500S
- Xiaomi Mi
- Prompt leased line with fiber connectivity of 30 Mbps
- BSNL Broadband connection of 5 Mbps
- Jio Fiber connection 100 Mbps

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The existing computing resource information is as follows –

- OMegha Cumulus Cloud Server

- HW component – Compute profile, 2 x 8 = 16 Physical CPU cores, 32 Logical CPU Cores, 256 MEM (GB), 3096 Disk(GB), 2 NICs, 10 TP per NIC (Gbps)
- The computing devices allocated for each lab / department is as follows –

- FOSS Research Lab -24
- ICarnegie IT Pro Lab 1 – 36
- ICarnegie IT Pro Lab 1 – 35
- ICarnegie IT Pro Lab 1 – 40
- Database Lab – 30
- OOPs Lab- 40
- Data Structures Lab- 48
- Computer Programming Lab- 32
- IC Lab – 1
- Seminar Hall (Ground Floor) – 1
- VLSI Lab – 20
- Wireless Lab – 21
- Research Lab – 08
- MAT Lab – 20
- CAD Lab – 20
- Design Lab – 20
- Civil Lab – 16
- CNC Lab – 13
- PLC Lab – 06
- Admin / Accounts /HR/Director/Principal/misc. – 09
- Exam Cell -02
- Server Room – 02
- Basic Science Dept – 02
- EE Dept – 05
- ECE Dept – 05
- CSE Dept – 05
- Civil Dept – 03
- Mechanical Dept Workshop – 01
- Lecture Theatre – 02
- Physics Lab,ECE – 05
- 3D Printer -01
- Library – 03
- I3 Lab ARVR - 01

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