

4.3.2 Institution has an IT policy, makes appropriate budgetary provision and updates its IT facilities including Wi-Fi facility

CUTM IT POLICY

The IT Policy of CUTM aims to make the university's processes automated, efficient and effective. It covers all aspects of the IT infrastructure (e.g. Computing Devices, Networks, Wi-Fi etc.), Services (Software license, User access management, enhancement of existing applications and developing new applications), Network Security (Firewall management, VPN etc.) and adoption of Cloud based applications. The CUTM EMS (Education Management System) and LMS (Learning Management System) are superior applications based on SAAS (Software As a Service) model, reducing cost and increasing effectiveness of the unified approach to all aspects of education delivery in all CUTM campuses.

BUDGETARY PROVISION FOR IT (FY 21-22)

Item Description	Budget Amount (INR Lakhs)
Computers & Servers	220
Laptops and Tablets	40
Firewall, LAN/VPN, Wi-Fi	50
Printers, Monitors, Keyboards	30
Software Licenses	20
Cloud Based Applications (EMS & LMS)	40
Miscellaneous	20

IT EXPANSIONS/ ENHANCEMENTS

1) **High performance computing (HPC):** PARAM Shavak Supercomputers have been procured for performing high-end scientific research using modelling, simulation and data analysis, and creating HPC aware skilled workforce. More supercomputers are planned to be purchased for all campuses.

2) **Cloud services:** For online storage of data, including large digital media, cloud services such as AWS are used extensively at CUTM. The cloud policy module of CUTM IT policy describes what to migrate to cloud, how to ensure it is secure.

3) **Desktops, Laptops, Printers, Projectors:** CUTM has a more than 1200 desktop, 600 Laptops and adequate printers and projectors for smart classrooms and other support functions like accounts, HR and Learning & Development team.

4) **Core network** - Both wired and wireless: remote and on-site troubleshooting is provided for GSM/CDMA and NGN products. 1 GBPS internet connection with 1:1 ratio from BSNL and PowerGrid Corporation.

5) **Wi-Fi:** All campuses of CUTM have 100% Wi-Fi coverage with 2.4GHz and 5 GHz dual band network throughput

6) **Secure campus-to-campus connectivity:** VPN is used for such connectivity over a public network such as the Internet.

7) **Firewall:** Gateway Management Group (MID) for firewall administration, and management of "Security" rights is used. Students, faculty, and staff are provided immediate support if any problems in accessing any web-resources arises.

8) **IT Administration:** Installation, configuration, and maintenance of servers, routers, switches, PCs, user account management, monitoring performance, and carrying out backup and recovery operations. CUTM backup and disaster recovery policy describes what is to be backed up, how often, how is it to be stored and secured and restored.