IT Policy

Central Computer Centre (CCC) has been established to cater the needs of users involving implementation, maintenance and support activities related to LAN/WLAN, software and hardware; procurement, support and maintenance of various equipment of users. CCC offers Internet access and network services to the whole Institute. The Centre has two static leased line connections: 500 Mbps leased line from Quadrant Televentures Pvt. Ltd. (Connect) and 500 Mbps from Netplus Broadband Services Ltd. The Campus-wide Local Area Network (LAN), which currently has 900 wired nodes and 175 Access Points for wireless is maintained by CCC. The backbone is Optical Fiber connected with layer-3 and layer-2 switches, structured with CAT6 cabling. The CCC has state-of-the-art computational labs and one Data Centre. The labs of the CCC remain open from 8.30 AM to 6.30 PM on Weekdays and from 8.00 AM to 5.00 PM on Saturdays and Sundays. The computational facility in the Centre includes Power Edge Servers, Blade Servers, Rack Severs, Workstations, Desktop Computers and other peripherals of Dell & HP Brands. There are three labs with100 nodes in the CCC. The Internet facility is given to the users round the clock as all the hostels are wi-fi enabled.

Data base of all the users is maintained and internet access is given using user name and password based authentication. For the purposed LDAP server is configured and maintained by computer centre. Apart from user based authentication Unified Threat Management system and Firewall is installed for the cyber security and to curb the malicious activities in the institute. All servers are also secured using port based access and SSL / TLS security systems are also deployed. Network and internet facilities are upgraded on regular basis. All access points are configured through a single controller to address the network related security issues. CCC organizes online courses under Quality Enhancement in Engineering Education an initiative by MHRD. GNDEC, Ludhiana has been consistently highly ranked by QEEE organizer IIT Madras. CCC also provides repair and maintenance of Electronic Instruments/Equipments and, PCs and peripherals used in the campus and various laboratories. This centre is contributing in the implementation of in-house built ERP software for Examination System, Fee Collection and its related support to the users of the Institute. CCC is also responsible for maintenance and administration of Institutional Website (https://www.gndec.ac.in) and Mail Server. Main aim of centre is to provide better support and services to the users for their individual as well as collective growth.

Objectives of CCC:

To maintain and administer Internet, LAN/WLAN and allied services.
To make the computational facility available to students and faculty, and also offer possible assistance in conducting their research.
To assist Institute/Departments in computerizing their activities
Acquire latest knowledge and impart knowledge to the Institute staff.
To keep track of the latest developments in Computer Hardware/ Software technologies, Web technologies etc.

Beside above, the CCC also performs
1. Repair & Maintenance of Electronic Instruments/ Equipment
2. Repair & Maintenance of Personal Computers/ Peripherals
3. Provide guidance / technical assistance for purchase of new equipment