IT infrastructure are the basic hardware, software, networks and facilities upon which an organization's information technology services are built. The following are common examples.

**Network Equipment**

Network equipment such as routers.

**Telecommunication Services**

Services to connect to the internet and corporate facilities such as leased lines.

**Computing**

Computing hardware such as servers and basic software such as operating systems.

**Facilities**

Facilities that mostly house infrastructure such as data centers.

**Power**

Solar panels at a data center, solar battery systems, backup power generators and uninterruptible power supply.

**Computing Platforms**

Computing platforms such as an on-demand cloud computing platform.

**Application Platforms**

Application platforms such as a web server.

**Content Platforms**

Content management systems and similar software such as document management tools.

**Communication Services**

Communication tools such as voice over IP (VoIP) services and devices.

**IT Services**

Basic IT services such as data backup.

**Information Security**

Information security hardware and software such as a intrusion detection system.

**One more Example**: IT infrastructure

**Multi layer setup** -

First: (Pc's and workstations)

Second: (File Servers and Database servers)

Third: (Web server, FTP server, Email server, high-end servers/computers)

**Internet connection**: Connection from any node of LAN within campus zone and WIFI connection available.

**HARDWARE INFRASTRUCTURE**

- More than 250 PC's connected through LAN with high-end Itanium and Dual Xeon based Rack servers.

- High capacity network storage automated data backup and recovery system.

- Network printer

- Notebooks, CD/DVD Writers, HD Scanners and LCD Projectors.

**NETWORK**

- 6 core SMF Gigabit Fiber Optic

- connectivity to Desktop computer by 4 pair CAT5 UTP cable with 100Mbps bandwidth.

- Computer center-hub of network & host a layer 3 backbone switch.

**SOFTWARE TOOLS**

***O/S*** :Windows XP Professional, Windows NT Server 4.0. Windows 2000 Server and LINUX

:Visual Studio, JAVA, Macromedia Director, Flash, Systat, SPSS, Limdep, Eviews,

MS Office 2003/2007, MS-Projects 2007, Primavera, Oracle 8i, Developer 2000, DB2

CAD/CAM, CorelDraw, Ulead Studio, Endnote, MLP, GAMS, CPLEX, WITNESS, @RISK

***ONLINE TOOLS***: Soner, Nexus, Gitlab, Confluence, Redmine, LAMP