



4.3 IT Infrastructure

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

Scient Institute of Technology has established excellent IT infrastructure to the need so fall students and faculty. Updating the IT facilities has been on the high priority activities of the institution.

The list of IT infrastructure created consists of the following items.

- Computers
- Printers
- Scanners
- Software
- LAN/WAN hardware
- LCD projectors
- Internet with high bandwidth
- Surveillance camera facility available etc
- Smart Board

Our institution keep in updating, IT facilities for effective learning and teaching process.

In the entire campus, the LAN connects all the computers with 360 Mbps speed capacity leased line provided by CYBER Net Links.

- LAN connects all the computers in Labs, Principal, HOD, Staffrooms, Administration, Library.
- Wi-Fi connectivity is provided in the Administrative, Principal, Library and academic areas. Routers, Access points, Surplus Ethernet ports are provided all over the campus, for laptops/devices in need of internet connectivity.
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- Computer laboratories are equipped with latest technology and are available to all the staff and students.
- Firewall is provided to prevent the unauthorized Internet users from/to accessing private networks connected to the Internet, especially intranets.
- All the departments are equipped with printers and LAN connected computers with the latest software's. Wi-Fi facility with access points is provided in the administrative and academic areas.



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- At the beginning of the academic year every system is updated with new software or hardware equipments. At present we have 390+ systems in various laboratories, departments, administration office, library and examination branch to meet the requirements of curriculum.
- The institute upgrades the software packages and also purchases software currently being used in the industry to make the students, industry ready.
- The Computer laboratories are being upgraded from time to time to provide the best computational infrastructure to the students by providing 390 systems.
- Teaching aid provisions like LCD projector with computer internet based system available in each class room.
- Smart Board for Interactive Learning is available at Campus for Students activities.
- Scient college provides Biometric Finger-Print enabled attendance.
- 60 CCTV cameras have been installed in all over the campus at various places for 24/7 campus surveillance.
- Advanced English licenced Softwares to improve the communication of Students.
- Digital Library with internet Connectivity is provided for the students.
- A separate team takes care of the IT related needs of the campus such as hardware and networking.
- Teaching aid provisions like LCD projectors with computer internet based system available in each class room.

Wi-Fi facility

- **Full coverage of Wi-Fi**
- **Name of the internet provider:** CYBER Net Links.
- **Available Bandwidth :** 360 Mbps
- **Wi-Fi Availability:** Available in Labs, administrative and academic blocks


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Application Software's				
Sl. No	Software Product Name	Licensed/ Opensource	Invoice Number	Company/Software Name
1.	ELCS with Teacher Console	Licensed	024/16-17	Globerena Technologies
2.	ECAP	Licensed	1068	Webpros solutions
3.	ELCS	Licensed	3078	Walden
4.	AECS	Licensed	3078	Walden
5.	Softskills	Licensed	3078	Walden
6.	Antivirus	Licensed	#FAB5IQ2001143755	Quick Heal
7.	Quick Heal Total Security	Licensed	92	Quick Heal-Divya Tech
8.	Java	Open source		Jdk1.8
9.	Editor	Open source		Eclipse
10.	DB server	Open source		MySql
11.	C	Open source		GNU C Compiler,Turbo C++
12.	TESTINGTOOL	Open source		SELENIUM
13.	UML	Open source		Star UML
14.	NS2	Open Source		Network Simulator2
15.	Visual Studio IDE	Open Source		Visual Studio Code v1.43.2
16.	Python	Open source		Python 3.7.2
17.	Jupyter Notebook	Open source		Project Jupyter
18.	Flex Windows	Open Source		Flex Windows 2.5.3 YACC,LEX
19.	.NET	Open source		SHARPDEVELOP
20.	FILE COMPRESSION	Open source		7-ZIP
21.	Web Browser	Open source		Firefox,Google chrome
22.	WEBSERVER	Open source		XAMPP
23.	WEBSERVER	Open source		APACHE TOMCAT
24.	LINUX PROGRAMMING	Open source		PUTTYTOOL
25.	Data Mining	Open source		Weka Tool
26.	Embed-System	Open source		KEIL8051-SDCC
27.	Computer Organization	Open source		MASM
28.	Electronic Circuits	Open source		Multisem/Pi-Spice
29.	VHDL/E-CAD	Open source		XiLinux
30.	Basci Simulation	Open source		Scilab
31.	DSP	Open source		Scilab
32.	Analog Communication	Open source		Scilab
33.	Power Converters Simulation/Power Simulation	Open source		Scilab



List Of Computers Details


S.No	Name of the Lab	Room No	No. of Computers	System Configurations
1.	COMPUTER LAB 1	T-101	55	Processor :Intel Dual core HDD :320 GB RAM :2GB Monitor :LED
2.	COMPUTER LAB 2	T-102	60	Processor :Intel Dual core HDD : 160GB RAM : 2GB Monitor : LED
3.	COMPUTER LAB 3	T-201	40	Processor :Intel Dual core HDD : 350 GB RAM :2GB Monitor :LED
4.	COMPUTER LAB 4	T-202	20	Processor :Intel Dual core HDD :160 GB RAM :2GB Monitor :LED
5.	COMPUTER LAB 5	T-105	40	Processor : I5 10 th Generation HDD : 256 SSD RAM : 8 GB Monitor : LED
6.	COMPUTER LAB 6	T-106	40	Processor: I5 10 th Generation(20) and Intel Dual core(20) HDD: 256 SSD(20) , 500GB(20) RAM: 8GB(20),2GB(20) Monitor: LED
7.	COMPUTER LAB 7	S-105	70	Processor :Intel Dual core HDD : 500GB RAM : 2GB Monitor : LED
8.	COMPUTER LAB 8	C-109	30	Processor : Intel Dual core HDD : 500GB RAM : 2GB Monitor : LED


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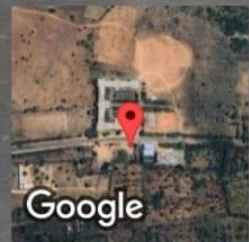


9.	COMPUTER LAB 10	S-302	25	Processor : Intel Dual core HDD : 160GB RAM : 2GB Monitor : LED
10.	Digital-Library	S-101	10	Processor : Intel Dual core HDD : 160GB RAM : 2GB Monitor : LED
Total: 390				


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COMPUTER FACILITIES



Ibrahimpatnam, Telangana, India
SCIENT INSTITUTE OF TECHNOLOGY, Ibrahimpatnam, Telangana 501506, India
Lat 17.175003°
Long 78.659042°
03/04/24 09:56 AM GMT +05:30

GPS Map Camera

COMPUTER LAB 1(T-101)


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 GPS Map Camera




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5MF5+QQC, Ibrahimpatnam, Telangana 501506, India
Lat 17.174907°
Long 78.65903°
03/04/24 10:01 AM GMT +05:30

COMPUTER LAB 2(T-102)


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 **GPS Map Camera**



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 Lat 17.174889° Long 78.658799°
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COMPUTERLAB-3(T-201)



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5MF5+QQC, Ibrahimpatnam, Telangana 501506, India
Lat 17.175057°
Long 78.659086°
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GPS Map Camera


COMPUTER LAB-4 (T-202)

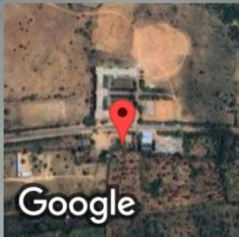

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Lat 17.17488°
Long 78.658968°
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COMPUTER LAB-5 (T-103)

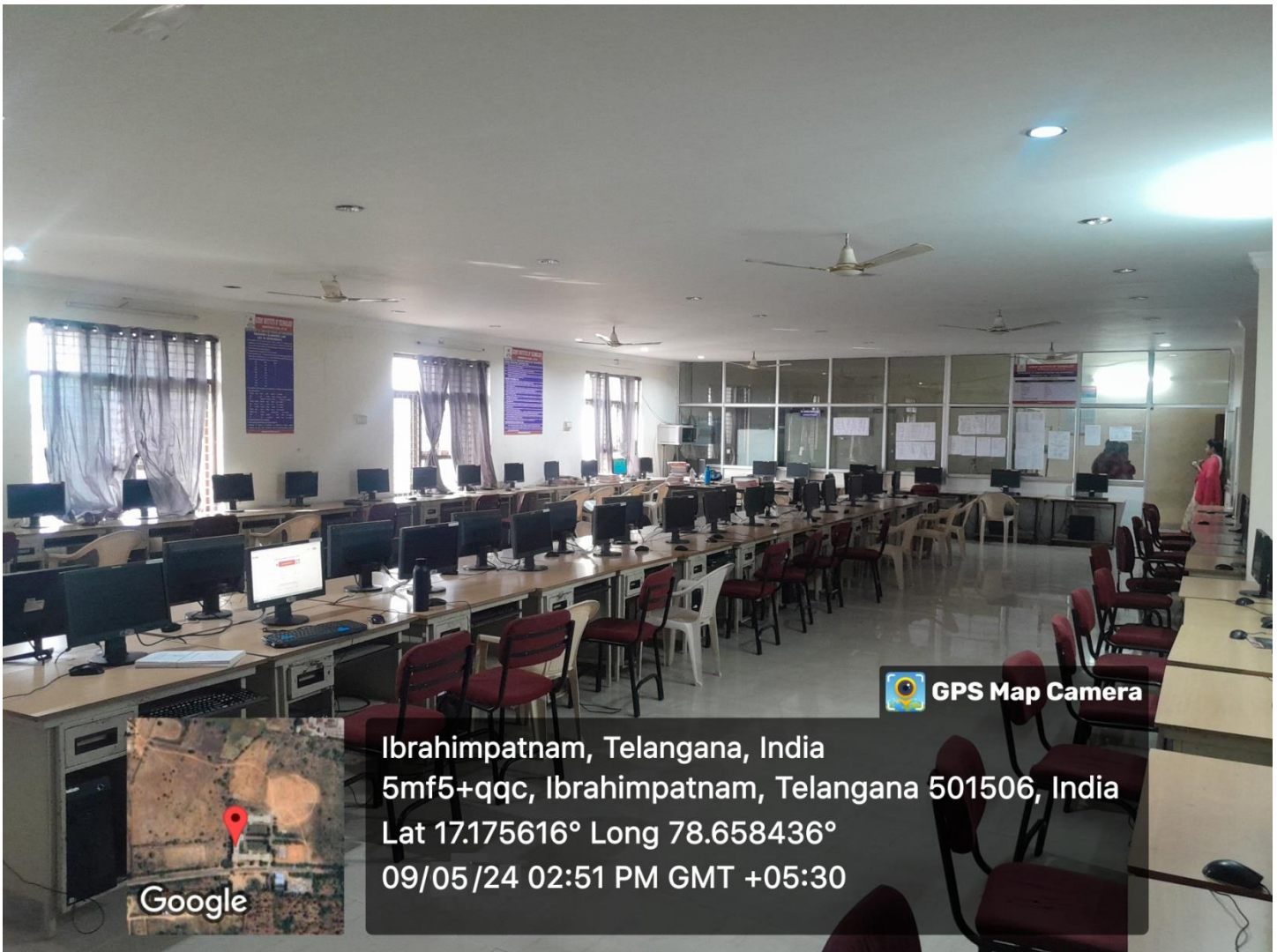

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COMPUTER LAB-6 (T-104)


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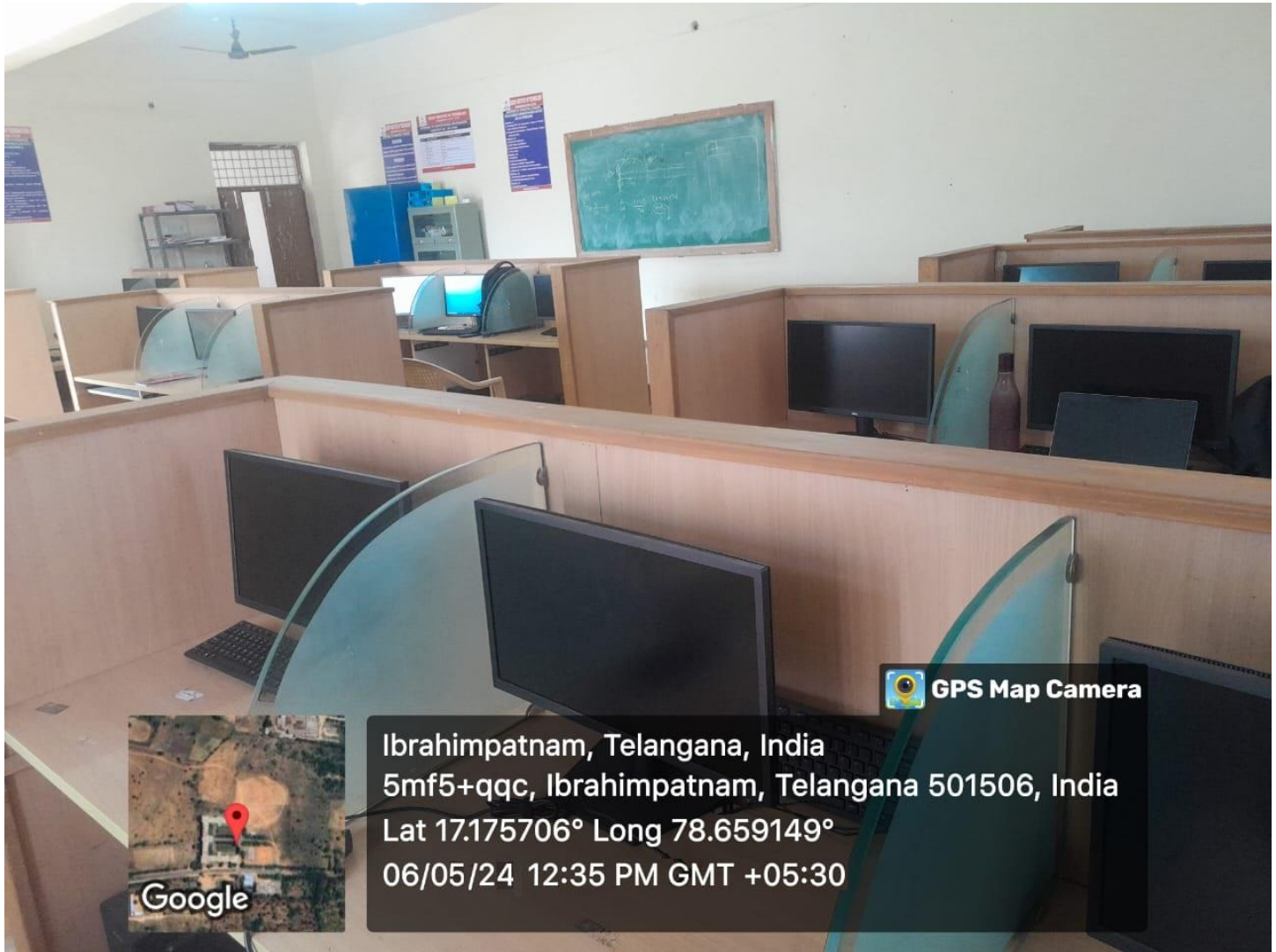
 **GPS Map Camera**



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COMPUTER LAB-7 (S-105)


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Lat 17.175706° Long 78.659149°
06/05/24 12:35 PM GMT +05:30

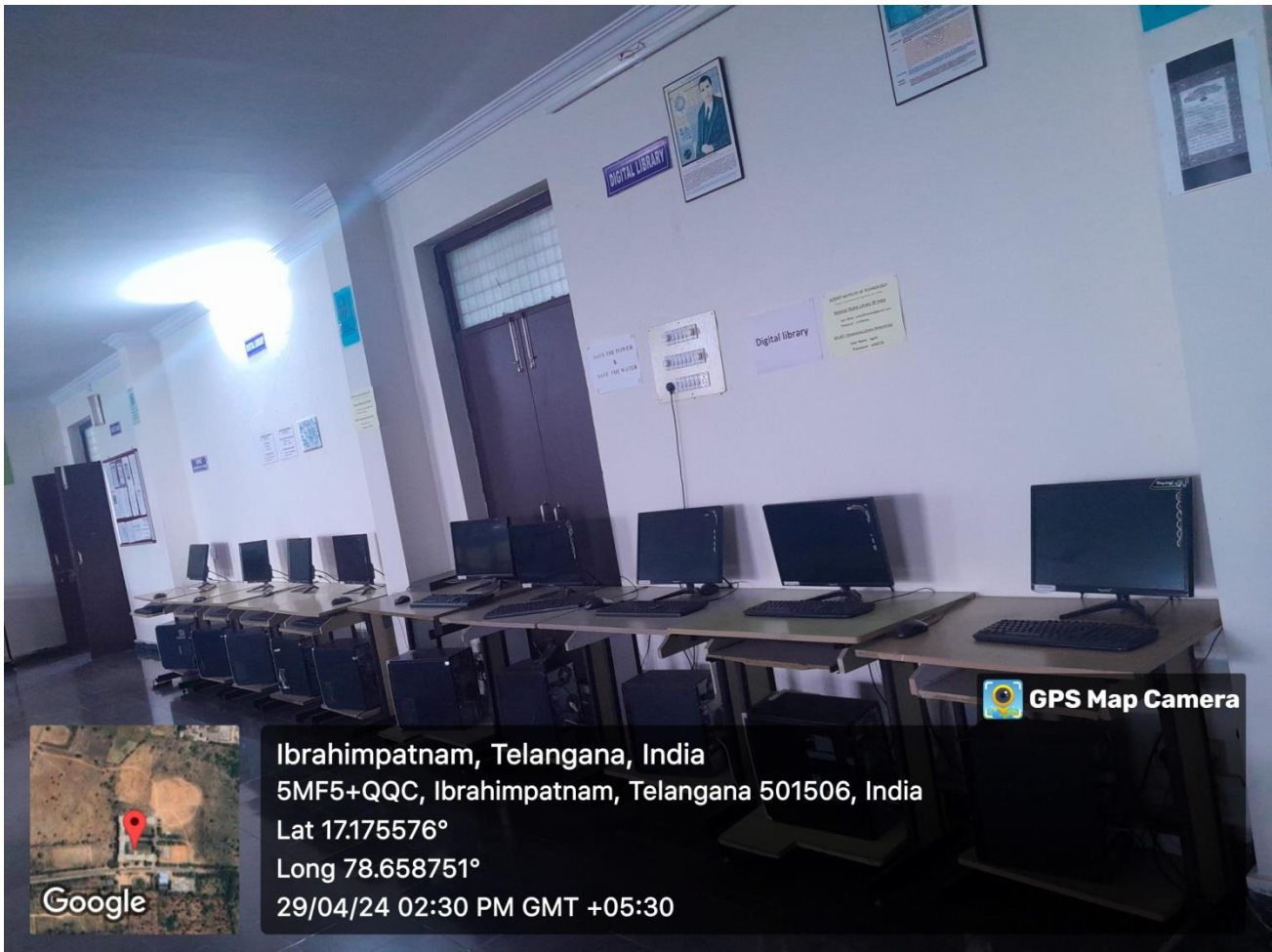
COMPUTER LAB-8 (C-109)


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COMPUTERLAB-10 (S-302)


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Library(S-101)


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