



SITAM



SATYA INSTITUTE OF TECHNOLOGY AND MANAGEMENT

Near RTO Office, Gajularega, Vizianagaram-535003, Andhra Pradesh, India

Accredited by "NAAC", Approved by AICTE, New Delhi

(Permanently Affiliated to JNTUGV, Vizianagaram, Recognized by SBTET, Government of A.P)

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EAMCET CODE: **SGVP** JNTUGV CODE: **B6** SBTET CODE: **649**

Criterion 4 – Infrastructure & learning resources

4.3 IT Infrastructure

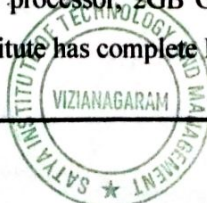
4.3.1	IT facilities updates-Details
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The college aims at providing state-of-the-art IT infrastructure equipped with the latest computer hardware and software for enhancing teaching-learning process and research. An IT technical team comprising a computer technician and an external IT expert assesses the gaps in existing systems and suggest the upgradation and augmentation of the infrastructure. This need is discussed and approved by the College Development Committee. The hardware, software and peripherals are augmented and upgraded at regular intervals and staff is trained to use these optimally.

All communication within the institution is done through emails and the online mode. The office administration and the student management are done using ERP (Enterprise Resource Planning) of the college. The uninterrupted internet connectivity is provided in the college premises to all the stakeholders. The students are given access to computers and technology to enhance their learning. Blended learning offers many options for pedagogy and delivery of the curricula. With the rapid changes in the world of digital media and information, all ICT facilities are reviewed periodically.

During the COVID-19 pandemic of 2020, a Learning Management System from Google (G-Suit) has been used. The college actively promotes computer ethics among both staff and students to provide a safe and healthy online learning environment.

Institute take initiative to upgrade itself in providing IT facilities to students and faculty. With 382 computers in the year of establishment, the institute now has high end computers. The latest configuration of 120 computer available in the institute is Dual core processor with 8GB/16GB RAM, 320/500 GB HDD, i3/i5 core processor, 2GB GRAPHIC CARD . All 502 systems now in SITAM are LAN connected. The institute has complete MSDN applications and system software's.



The Institute started with Learning Management System, which offers hundreds of video content, course materials, and supports all aspects of Learning Management.

LCD's:

The increasing demand for video displays has placed a growing emphasis on the switching speed of liquid crystals. This has led to the development of devices employing sematic liquid crystals.

Smart Boards:

A smart board is an interactive tool for teachers and students that allows users to edit and annotate directly on the screen with a stylus or their finger. Users also have the capability to communicate, edit and interact with devices such as smartphones, tablets, Chromebooks, and computer screens

Networking Peripherals:

Institute has networking devices i.e. IBM Servers, Routers provided by D-Link, Cisco Gigabit Ethernet switches etc

1	Wi-Fi facility	Yes, entire campus is Wi-Fi enabled
2	Propriety software / Open source software:	Microsoft Campus License, TCS iON, MATLAB, P spice, LT-Spice, T asm, Tanner Tool, Xilinx and analysis tools, Octave, Scilab, Ubuntu.
3	Number of nodes/ computers with internet facility	502
4	LAN facility :	10/100 Mbps and 10/100/1000
5	Any other:	1.) Automated admission process, Fee transaction, Learning Management System and ICT integrated evaluation through customized Campus Management Solution 2.) SITAM Learning Management System (LMS), Moodle, world class LMS.

Software's:

Institute has various software's needed for academic purposes which includes Oracle, Java, Mysql, C, C++, Python, Flash Pro, MATLAB, Microwind, NetSim, IE3D, Xilinx ISE, AutoCAD, Ansys, and apart from basic software like Office, Tally, etc.

The Institute works with open-source operating systems like Ubuntu, Linux OS and other software tools such as Postgres, Cisco packet tracer, ns2, Wireshark, Python, CLDC wireless toolkit, open GL, Spark, Hadoop.

I/O Devices:

The institute purchases Projectors, Printers, Photo Copying Machines, and Plotters as per the requirements given by the departments.



Upgrading Policy:

Computers in the institutes are upgraded every year by replacing certain old machines with the new ones. Certain measures have been taken during the year 2020-21, due to pandemic for ensuring best teaching practices for students.

Online Lectures:

The institute has conducted lectures by using various platforms like Zoom, Webex, MS-Teams, Google Meet etc.

Purchase/Requirements:

We are following standard procedures to purchase required Equipments/Devices

Concern authority from central purchase department contacts at least 03 vendors and collect quotations to prepare comparative statement.


The purchase order is issued to particular vendor whose quotation is found better.

At the department level, entry of new purchasing is done on main dead-stock of the department and.

Internet service was made available in the institute to students and faculty, with a bandwidth of 310 Mbps connection.



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