

CRITERION – IV

INFRASTRUCTURE AND LEARNING RESOURCES

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

IT Infrastructure and Continuous Upgradation

At Adithya Institute of Technology (AIT), continuous enhancement of IT infrastructure is a priority to support academic, administrative, and research activities. The institute regularly updates its technology to meet modern-day learning needs and ensure smooth functioning across all departments.

Software Infrastructure: At Adithya Institute of Technology (AIT), the software infrastructure is continuously updated to support academic, administrative, and research functions. The software is licensed and up-to-date, with the following key components:

Operating Systems: AIT uses licensed operating systems, such as Windows and Ubuntu Linux (open-source), across all workstations, servers, and other computing devices.

CoE system: AIT employs the COXCO Software, which provides the seamless examination management.

Exam Management: Enables efficient exam scheduling and result processing

Enterprise Resource Planning (ERP) System: AIT employs the Nirals EduNiv ERP system, which integrates various functions and ensures real-time data accessibility for students, faculty, and administrative staff. The ERP system automates key processes, including:

Student Admissions: Facilitates seamless admission management.

Faculty Performance Monitoring: Tracks and evaluates faculty performance.

Administrative Tasks: Automates routine administrative functions, reducing manual effort and increasing operational efficiency.

Total Units: 1874 (No. of credentials)

Security Certificates: The institute ensures secure web access with the Sectigo SSL Certificate for the domain adithyatech.edu, which enhances the security of the campus network and online resources.

Units: 1 Unit.

Specialized Software: AIT also uses specialized software for research and academic activities, particularly in fields such as engineering, CAD, CAM, and other department-specific tools.

Software for Research and Academic Needs: The institute ensures that necessary software for academic, research, and specialized departmental needs (such as simulation tools and design software) are available and up-to-date.

Licensing: All software across the campus is legally licensed to ensure compliance with copyright regulations, providing students and staff with access to the latest features and security updates.

Hardware Infrastructure

AIT maintains a comprehensive hardware inventory to support academic and administrative functions across departments. Key hardware components include:

AIT's hardware inventory includes:

- ❖ 567 workstations with Intel processors.
- ❖ 17 printers distributed across departments.
- ❖ A significant number of biometric devices for attendance.
- ❖ 380 monitors.
- ❖ Hundreds of processors, motherboards, RAM modules, and hard disks.
- ❖ Additional equipment like keyboards, mice, UPS systems, and network racks to support the infrastructure.

Network and Internet Connectivity

AIT boasts strong network systems with both wired and wireless connectivity throughout the campus, ensuring seamless access to high-speed internet for students, faculty, and staff. The current total bandwidth is 900 Mbps, provided by multiple broadband connections and fiber optic cables.

These include:

- ❖ Ready Link Underground Fiber Optic Cable (100 Mbps).
- ❖ Three broadband connections (200 Mbps, 300 Mbps, 300 Mbps).

ERP System and Automation

AIT employs an advanced Enterprise Resource Planning (ERP) system that integrates various functions across the institution. The ERP system plays a pivotal role in streamlining and automating processes, including:

Student Admissions : Facilitates seamless admission management.

Exam Management : Enables efficient exam scheduling and result processing.

Faculty Performance : Tracks faculty performance for continuous improvement.

Monitoring

Administrative Tasks : Automates routine administrative functions, reducing manual effort.

4.3.1 INSTITUTION FREQUENTLY UPDATES ITS IT FACILITIES INCLUDING WI-FI

Metric	Parameter	Link
4.3.1	Institution frequently updates its IT facilities including Wi-Fi Academic Year 2023-2024	4.3.1 Proof