

Fr. Conceicao Rodrigues College of Engineering

Equipment / Facility Details

Name of Department	Computer Science and Engineering
Name of Facility / Equipment	Dell Workstation
Make	Dell
Model	Dell Precision 3660 Tower Workstation Dell Precision 3650 Tower CTO Base
Current Status	Working

Specifications

S.No.	Dell Precision 3660 Tower Workstation	Dell Precision 3650 Tower CTO Base
1	12th Gen Intel Core i7 Processor	11th Gen Intel Core i7 Processor
2	32 GB + 32 GB DDR5 UDIMM Non-ECC Memory	16 GB RAM
3	1 TB SSD	1 TB HDD 7200 RPM
4	Intel ONG Graphic T1000 8 GB Graphics Card	NVIDIA T1000 GPU
5	8× DVD+RW Optical Disk Drive	—
6	21.5" Monitor with Keyboard & Mouse	20" Monitor with Keyboard & Mouse
	Total Quantity: 03	Total Quantity: 04

Working Principle / Methodology

Dell Precision Workstations are high-performance desktop computing systems designed for professional and academic use. They operate on the standard Von Neumann architecture, utilizing a multi-core Intel Core i7 processor to execute instructions and manage data processing tasks efficiently. The system employs high-speed DDR5/DDR4 RAM for rapid data access and temporary storage, while the SSD/HDD provides permanent data storage. The NVIDIA/Intel discrete GPU handles graphical computations, rendering, and parallel processing tasks, making the workstation suitable for compute-intensive applications. The workstations run standard operating systems (Windows/Linux) and support a wide range of software development, simulation, and data analysis tools. They are connected to peripherals including monitors, keyboards, and mice to facilitate user interaction. These systems are primarily used for teaching, research, project development, and computational experiments in the department.

List of Applications / Usages

1. Programming and software development (C, C++, Java, Python, etc.)
2. Database management systems laboratory work
3. Machine learning and data science experiments

4. Computer graphics and visualization projects
5. Network simulation and cybersecurity labs
6. Web development and application deployment
7. Research and project work by UG/PG students
8. Faculty research, paper writing, and data analysis
9. Video conferencing and online teaching tools
10. CAD/CAM and engineering simulation software

Equipment In-Charge

Equipment	In-Charge Faculty
Dell Precision 3660 Tower Workstation	Prof. Savita Borole
Dell Precision 3650 Tower CTO Base	Prof. Nawal Dandekar

Technical Staff / Operator

Mr. Nilesh Patil | Ms. Jaya Auti

Pricing / Access Policy

User Category	Charges	Availability
Internal (CSE Dept.)	Free	Mon – Sat
Other Departments (within Campus)	Free	Mon – Sat
External (Industry / Academia)	As per Institute norms	Mon – Sat