

Fr. Conceicao Rodrigues College of Engineering

Equipment / Facility Details

Name of Department	Computer Engineering
Name of Facility / Equipment	Machine Learning Server
Make	Lenovo
Model	ThinkSystem SR650
Current Status	Working

Specifications

Sr. No.	Equipment 1
1	Server : ThinkSystem SR650 RAM: 16GBX4 qty(64GB) Processor: Intel Xeon Silver 4208 8C 85W 2.1GHz GPU: Think System NVIDIA Tesla V100S 32GB PCIe Passive GPU HDD-3TB
	Total Quantity: 1

Equipment 1

Working Principle / Methodology of Equipment 1

An ML server functions as a high-performance compute node equipped with massive parallel processing hardware like GPUs or TPUs to handle intense data workloads. It streamlines the training of complex neural networks by executing millions of matrix multiplications and calculus operations simultaneously rather than one by one.

List of Applications / Usages

1. Gain Practical Exposure to AI/ML Infrastructure
2. Train a Computer Vision Neural Network
3. Deploy a Local Large Language Model (LLM)
4. Teaches students how to clean, structure, and manipulate multi-gigabyte datasets directly on a dedicated server environment before feeding them into machine learning pipelines.

Equipment In-Charge

Equipment	In-Charge Faculty
Equipment 1	Dr. Supriya Kamoji

Technical Staff / Operator

Mr. Ajay Koli

Pricing / Access Policy (sample is shown below.)

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