



**PBR VISVODAYA INSTITUTE OF TECHNOLOGY & SCIENCE  
(AUTONOMOUS)**

(Affiliated to J.N.T.U.A, Approved by AICTE and Accredited by NAAC)  
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**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

## **MACHINE LEARNING LABORATORY / MOBILE APPLICATION LAB**

The ML Lab is a centralized hub for data science teams to seamlessly build, deploy, and operate machine learning solutions at scale. It is designed to cover the end-to-end machine learning lifecycle from data processing and experimentation to model training and deployment. It combines the libraries, languages, and tools data scientist love, with the infrastructure, services and workflows they need to deliver machine learning solutions into production. More information can be found below.

### **OBJECTIVES:**

- Workspace with integrated tooling (Jupyter, Git, Hardware Monitoring.)
- Works with any common machine learning framework (Tensor flow, PyTorch, Sklearn, ...)
- Upload, manage, version, and share datasets & models
- Monitor and share experiments for reproducibility
- Deploy models as production-ready services
- Deployable on a standalone server or on a cluster (via Docker, Kubernetes)

**HARDWARE Facility:** CPU: INTEL CORE i5 3rd GEN PROCESSOR, M72 M/B, 4GB RAM, 500GB HDD, KEYBOARD .MOUSE, IBOLL CABINET, MONITOR: 18.5” LED, UPS

**SOFTWARE Facility:** TURBO C, TURBO C++, WINDOWS OS, MS OFFICE PYTHON IDE

### **LAB PHOTOS:**



