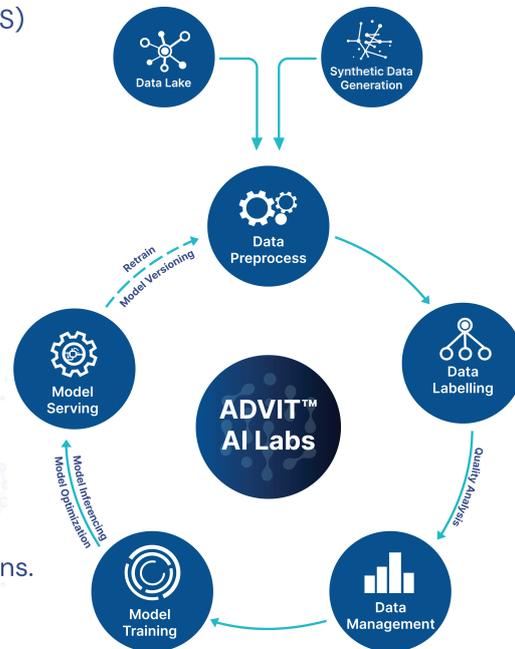# ADVIT™ AI Labs

The AI LAB (AI Center Of Excellence Labs, COELABS) is a turnkey, state-of-the-art modular learning platform designed to enable universities to increase research into AI.

It is a fully-integrated AI Lab with the highest level of service quality including complete installation, professional development, and direct access to support and online resources to ensure your research success.

ADVIT™ AI labs includes Machine Learning & Deep Learning projects, Embedded Edge AI deployment on Real-world industry AI projects & datasets, to develop state-of-the-art AI Research & Applications.

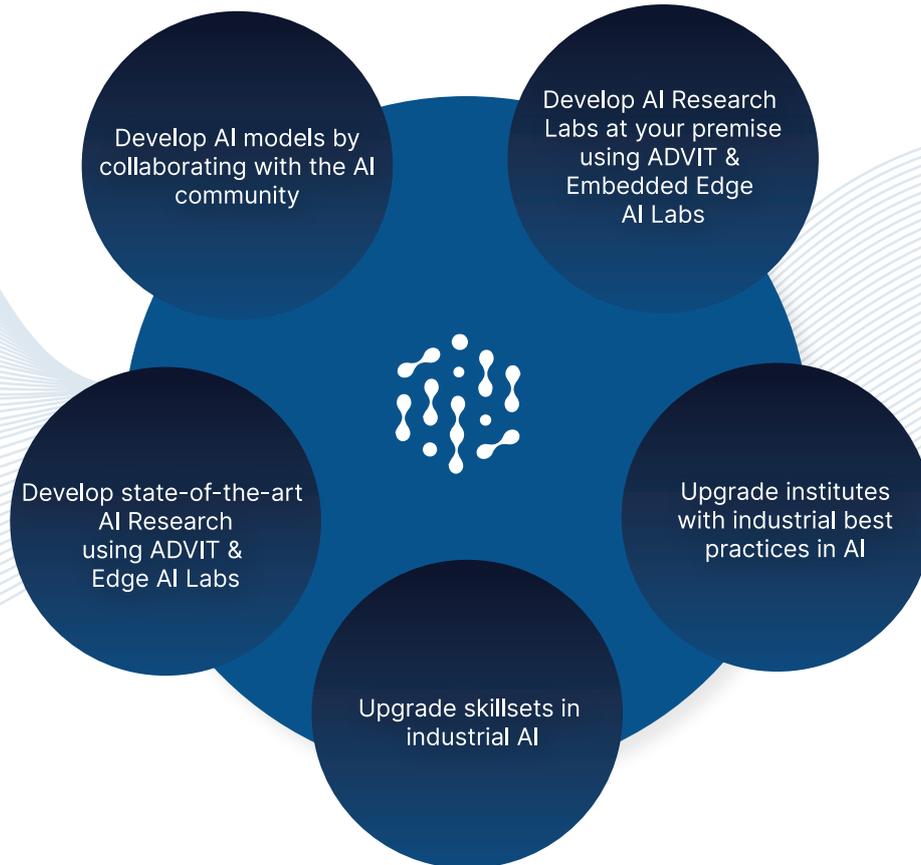**Data Lake** → **Synthetic Data Generation** → **Data Preprocess** → **Data Labelling** → **Data Management** → **Model Training** → **Model Serving** (Retrain / Model Versioning)

Quality Analysis · Model Inferencing / Model Optimization

ADVIT™ AI Labs

ADVIT™ AI Labs Features

Technical support & mentorship from AI industry	Dashboarding for project & dataset management
Identity & access management	Students & Faculty Collaboration to develop AI projects on one platform
Collaboration with AI industries to develop AI research	Research Based Learning Platform
Industrial certification for AI labs	Manage AI assets easily
Industry standard AI labs with edge computing	Develop AI projects with real-world data

ADVIT™ AI Labs

Benefits of Associating with ADVIT AI Labs

Certifications · Digital Library · AI Workshops · AI Community · Research Collaboration

www.automatonai.com

Opportunities for AI Research with ADVIT AI Labs

Develop AI models by collaborating with the AI community

Develop AI Research Labs at your premise using ADVIT & Embedded Edge AI Labs

Develop state-of-the-art AI Research using ADVIT & Edge AI Labs

Upgrade institutes with industrial best practices in AI

Upgrade skillsets in industrial AI

Technical Key Features

- **Data Labeling & Pre-processing**
- **Synthetic Data Generation**
- AI model training
  - Machine Learning
    - + Supervised Learning
    - + Unsupervised Learning
  - Deep Learning
    - + Computer Vision
    - + NLP
    - + GANs & Auto Encoders
    - + Chatbots

- AI model inferencing
- AI model serving
- MLOps
- AIOps
- Explainable AI
- **Self hosted Edge computing Labs, Google Collab, Dockers & containers for DL application development**

PYTORCH · TensorFlow · ONNX · Keras · docker · python · kubernetes · Jupyter