Course Title: Hands-on Training in Artificial Intelligence and Machine Learning (AIML)
Duration: 1 week
Organizer: MSME
Participants: 100 Students
Instructor: Mr. Siva

1. Course Overview

The one-week hands-on AIML training conducted by MSME aimed to provide participants with practical skills in developing, training, and deploying machine learning models. The course covered foundational and advanced topics in AI and ML, with a focus on real-world applications.

2. Topics Covered

- **Day 1:** Introduction to AI and Machine Learning. How to access AI models using python.

- **Day 2:** Supervised Learning – Linear Regression, Classification, video capturing. Opencv, mediapipe, pyautogui packages in python. Creating frames.

- **Day 3:** Unsupervised Learning – Clustering, Dimensionality Reduction. Hand and facial landmarks, landmarks recognition.

- **Day 4:** Neural Networks and Deep Learning, Simple implementation of trained models. example:- cursor movement by recognising the hand

- **Day 5:** Model Evaluation, Tuning, and Deployment, Applications using the models.

3. Learning Activities

- **Lectures:** Daily sessions provided theoretical background on various AIML techniques.

- **Hands-on Practice:** Students implemented algorithms such as regression models, clustering techniques, and neural networks using Python, TensorFlow, and Scikit-Learn.

- **Projects:** Each participant completed small projects on topics like image classification, customer segmentation, finger counter, auto-shutdown of PC and predictive analysis.
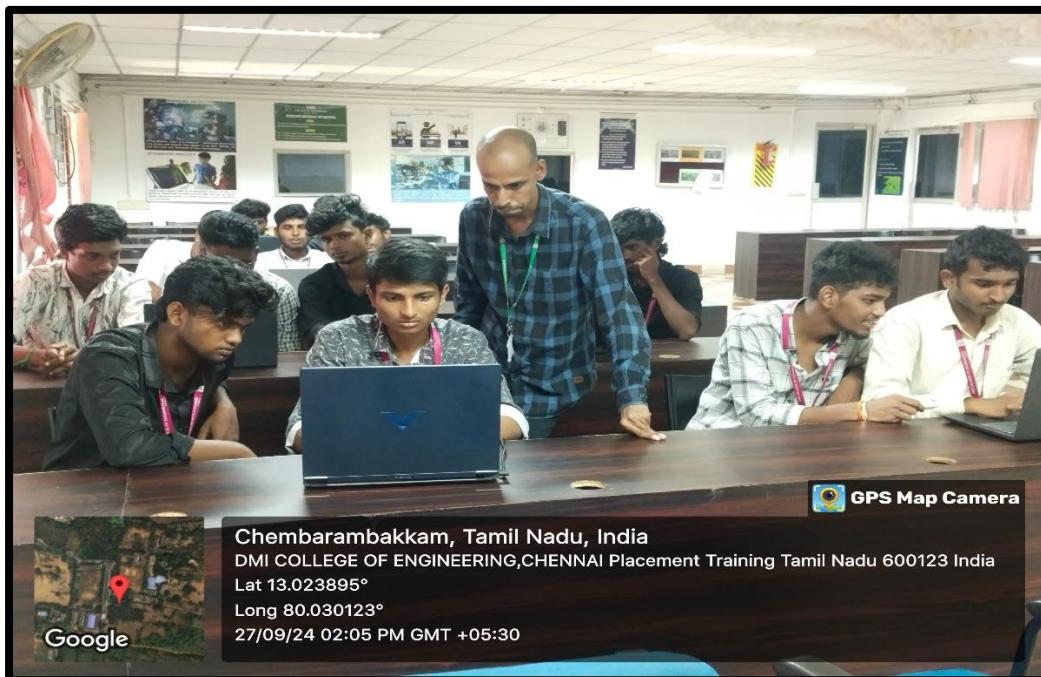
4. Participation and Engagement

Approximately 100 students actively participated throughout the training. Group activities encouraged collaboration, and students successfully completed all assignments and projects with the help of instructors.
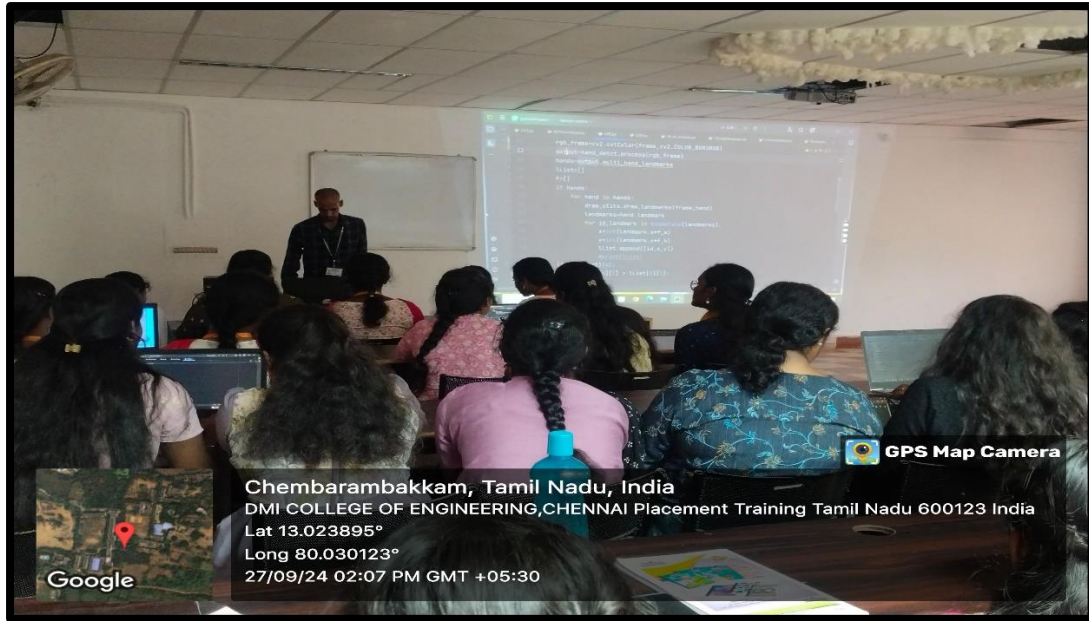
5. Conclusion and Outcome

The training successfully equipped participants with essential skills in AI and machine learning, including:

- Understanding key concepts of AI/ML

- Practical experience in implementing models using real-world datasets

- Knowledge of deploying machine learning models

Completion Status: Successfully Completed

GPS Map Camera

Chembarambakkam, Tamil Nadu, India
DMI COLLEGE OF ENGINEERING,CHENNAI Placement Training Tamil Nadu 600123 India
Lat 13.023895°
Long 80.030123°
27/09/24 02:05 PM GMT +05:30

6. Feedback from the students.

Kanish prasad (IT 2nd year) – "very useful and informative program. Being an information technology student and without any knowledge of AI and machine learning, I learned and acquired the knowledge that I required to upgrade my skill sets."

Sahana J (ECE 2nd year) – "Thanking my instructor for teaching me from the basics of AI/ML and then proceeded to the actual topics. I was able to make my own projects from it."