



TAGORE ENGINEERING COLLEGE

Approved by AICTE, New Delhi | Affiliated to Anna University, Chennai
Rathinamangalam, Vandalur – Kelambakkam Road, Chennai, Tamil Nadu 600127, India

Department of Computer Science and Engineering

Faculty Name : Mrs. D.Meenakshi, Assistant Professor, CSE

Subject :ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

The following innovative teaching method handled for AI and ML subject

Hands-On Coding and Experimentation:

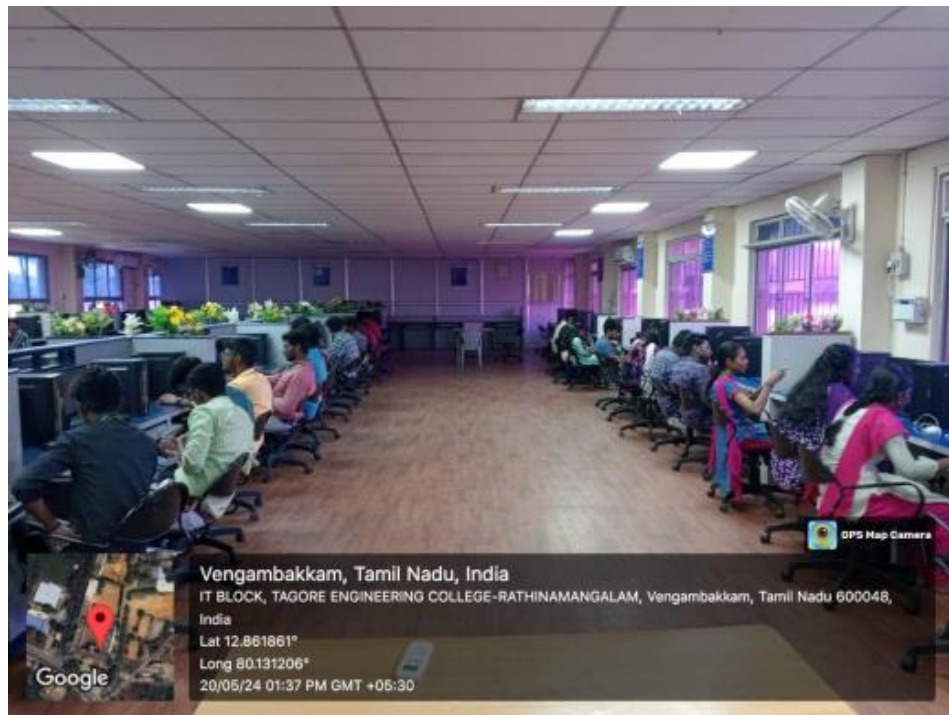
- **Jupyter Notebooks:** Jupyter Notebooks used for interactive coding, visualization, and documentation.

The following steps were performed by student

- **Choose a Dataset:** Select a dataset from Kaggle
- **Load the Data:** Use libraries like Pandas or NumPy to load the dataset into coding environment.
- **Explore and Clean the Data:** Analyze the data's structure, identify missing values or outliers, and perform necessary data cleaning or preprocessing tasks.
- **Visualize the Data:** Create visualizations (e.g., histograms, scatter plots, box plots) to gain insights into the data's distribution and relationships.
- **Build and Train a Model:** Choose a suitable machine learning algorithm (e.g., linear regression, decision trees, neural networks) and train it on the dataset.
- **Evaluate the Model:** Assess the model's performance using appropriate metrics (e.g., accuracy, precision, recall, F1-score).

Learning Outcomes:

- **Hands-on Experience:** Students gain practical experience applying AIML concepts in a real-world context.



Vengambakkam, Tamil Nadu, India

IT BLOCK, TAGORE ENGINEERING COLLEGE-RATHINAMANGALAM, Vengambakkam, Tamil Nadu 600048, India

Lat 12.861861°

Long 80.131206°

20/05/24 01:37 PM GMT +05:30

Google

GPS Map Camera