SIMATS ENGINEERING

Saveetha Institute of Medical and Technical Sciences
Chennai- 602105

Student Name: A. Vikranth reddy   **Reg. No.:192424193**
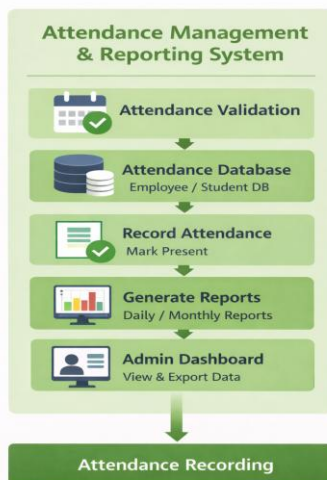
Course Code: DSA0216   **Slot: B**

Course Name: **Computer Vision with OpenCV for Modern AI**
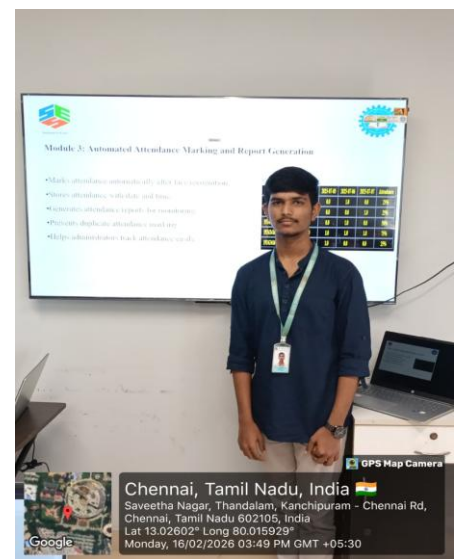
Course Faculty: Dr. S. Senthilvadivu & Dr.T. Kumaragurubaran

Project Title: Face Recognition-Based Attendance System Using Camera And Python To Improve Accuracy And Efficiency
Module Photographs:

Project Description:

The Face Recognition-Based Attendance System Using Camera and Python to Improve Accuracy and Efficiency not only recognize individuals but also automates attendance management for improved operational efficiency. Within this system, Module 3 – Attendance Management & Reporting System handles the recording, storage, and reporting of attendance data after successful recognition. The module logs attendance with date and time, prevents duplicate entries, and stores records in a structured database or CSV file while enabling report generation for administrative use. My contribution included implementing automated attendance logging, designing duplicate validation mechanisms, structuring the database, and integrating report generation features. I also optimized the system to ensure smooth data retrieval and efficient report generation. Additionally, I enhanced overall system reliability and usability. The module provides a user-friendly and efficient reporting interface. These developments ensured accurate record maintenance and streamlined attendance monitoring.

Student Signature   **Guide Signature**