SIMATS ENGINEERING

Saveetha Institute of Medical and Technical Sciences
Chennai- 602105

Engineer to Excel

Student Name: **P. Dada Kalander** **Reg. No.:** **192424272**

Course Code: DSA0216 **Slot:** B

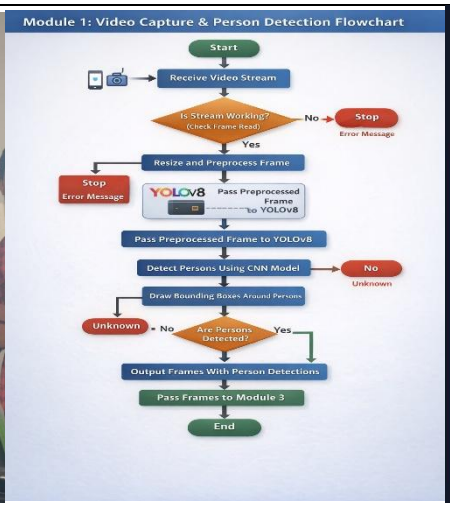
Course Name: Computer Vision with OpenCV for Modern AI

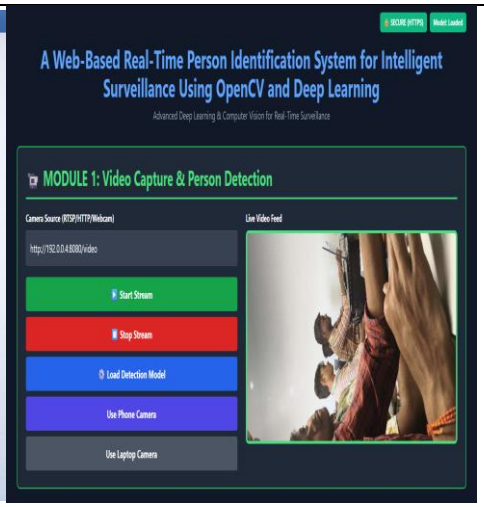
Course Faculty: Dr. Senthilvadivu S & Dr. Kumaragurubaran T

Project Title:

A Web-Based Real-Time Person Identification System for Intelligent Surveillance Using OpenCV and Deep Learning

Module Photographs:





Project Module: Video Capture & Person Detection

Description: **A Web-Based Real-Time Person Identification System for Intelligent Surveillance Using OpenCV and Deep Learning** is a smart surveillance application that detects and identifies people in real time using computer vision and deep learning techniques. The system captures live video streams through a web interface and processes each frame using OpenCV for image processing and a deep learning model for accurate person recognition. It is designed to enhance security by automatically detecting, identifying, and logging individuals without manual monitoring. The system integrates web technologies with AI-based recognition to provide live monitoring, person registration, and real-time alerts. By combining face detection, feature extraction, and deep learning classification, the project delivers an intelligent, automated surveillance solution suitable for smart security environments such as offices, campuses, and public areas.

Student Signature **Guide Signature**