

COMPUTER ENGINEERING DEPARTMENT

WEEKLY PROJECT PROGRESS REPORT

Semester: -7th	Date:- 21/08/2025
Student Name:	Enrollment No:
1) Patel Neelkamal	1)220131013
2) Tomar Rahul	2)220131019
3) Dhorajiya Uday	3)220131004

Project Title: - Real-Time Object Detection System Using YOLO for Intelligent Surveillance and Monitoring
Weekly Work Done: -
<ul style="list-style-type: none"> Refactored the entire object_detector.py script, adding comprehensive comments to explain each section. Implemented a user-facing confidence slider in the Tkinter UI to allow for real-time adjustment of the detection threshold. Improved the video display logic to maintain the correct aspect ratio, preventing image stretching.
Work Planned for the Next Week: -
<ul style="list-style-type: none"> Research the newer YOLOv11 model architecture. Update the application to allow for the use of the YOLOv11n model for performance comparison.

Sign of Internal Guide

FACULTY OF ENGINEERING & TECHNOLOGY
DEPARTMENT OF COMPUTER ENGINEERING

Sign of HOD