

COMPUTER ENGINEERING DEPARTMENT

WEEKLY PROJECT PROGRESS REPORT

Semester: -7th	Date:- 21/08/2025
Student Name:	Enrollment No:
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Project Title: - Real-Time Object Detection System Using YOLO for Intelligent Surveillance and Monitoring
<p>Weekly Work Done: -</p> <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.
<p>Work Planned for the Next Week: -</p> <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.