

COMPUTER ENGINEERING DEPARTMENT

WEEKLY PROJECT PROGRESS REPORT

Semester: -7th	Date:- 10/09/2025
Student Name:	Enrollment No:
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Project Title: - Real-Time Object Detection System Using YOLO for Intelligent Surveillance and Monitoring
Weekly Work Done: - <ul style="list-style-type: none">• Conducted research on the YOLOv11 architecture, noting its improvements in speed and accuracy.• Modified the application's model-loading logic to use yolov11.pt as the default model.• Tested the base YOLOv11 model to establish a new performance baseline.
Work Planned for the Next Week: - <ul style="list-style-type: none">• Systematically benchmark the performance of the custom-trained model against the base YOLOv11 model.• Measure key metrics like Frames Per Second (FPS) and resource utilization (CPU/GPU).