

**COMPUTER ENGINEERING DEPARTMENT**

**WEEKLY PROJECT PROGRESS REPORT**

Semester: -7th	Date:- 22/09/2025
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"><li>• Conducted detailed performance benchmarks, comparing the custom-trained YOLOv10 model with the base YOLOv11 model.</li><li>• Measured and recorded the average FPS and detection accuracy for both models under various lighting conditions.</li><li>• Analyzed the results to determine the optimal model for the target laptop hardware, balancing speed and accuracy.</li></ul>
Work Planned for the Next Week: - <ul style="list-style-type: none"><li>• Finalize the application code based on the benchmarking results.</li><li>• Create comprehensive project documentation, including a README.md file.</li><li>• Prepare a final presentation or summary of the project findings.</li></ul>