

COMPUTER ENGINEERING DEPARTMENT

WEEKLY PROJECT PROGRESS REPORT

Semester: -7th	Date:- 24/07/2025
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"> • Successfully executed the training of the YOLOv10n model on the custom dataset. • Monitored the training progress, ensuring the model was learning effectively with each epoch. • Utilized the "early stopping" feature to automatically conclude the training once the model reached its peak performance.
<p>Work Planned for the Next Week: -</p> <ul style="list-style-type: none"> • ? Download the final trained model (best.pt) from Kaggle. • ? Integrate the custom model into the local Python application. • ? Conduct initial performance tests to evaluate the custom model's accuracy.