

## COMPUTER ENGINEERING DEPARTMENT

### WEEKLY PROJECT PROGRESS REPORT

Semester: -7th	Date:- 24/07/2025
Student Name:	Enrollment No:
1) Patel Neelkamal	1)220131013
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<p style="text-align: center;">Project Title: - Real-Time Object Detection System Using YOLO for Intelligent Surveillance and Monitoring</p> <p>Weekly Work Done: -</p> <ul style="list-style-type: none"> <li>Successfully executed the training of the YOLOv10n model on the custom dataset.</li> <li>Monitored the training progress, ensuring the model was learning effectively with each epoch.</li> <li>Utilized the "early stopping" feature to automatically conclude the training once the model reached its peak performance.</li> </ul> <p>Work Planned for the Next Week: -</p> <ul style="list-style-type: none"> <li>Download the final trained model (best.pt) from Kaggle.</li> <li>Integrate the custom model into the local Python application.</li> <li>Conduct initial performance tests to evaluate the custom model's accuracy.</li> </ul>
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Sign of Internal Guide

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