

**COMPUTER ENGINEERING DEPARTMENT**
**WEEKLY PROJECT PROGRESS REPORT**

Semester: -7th	Date:- 10/09/2025
Student Name:	Enrollment No:
1) Patel Neelkamal	1)220131013
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<p style="text-align: center;"><b>Project Title: - Real-Time Object Detection System Using YOLO for Intelligent Surveillance and Monitoring</b></p> <p><b>Weekly Work Done: -</b></p> <ul style="list-style-type: none"> <li>Conducted research on the YOLOv11 architecture, noting its improvements in speed and accuracy.</li> <li>Modified the application's model-loading logic to use yolov11.pt as the default model.</li> <li>Tested the base YOLOv11 model to establish a new performance baseline.</li> </ul> <p><b>Work Planned for the Next Week: -</b></p> <ul style="list-style-type: none"> <li>Systematically benchmark the performance of the custom-trained model against the base YOLOv11 model.</li> <li>Measure key metrics like Frames Per Second (FPS) and resource utilization (CPU/GPU).</li> </ul>
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Sign of Internal Guide

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