

**COMPUTER ENGINEERING DEPARTMENT**

**WEEKLY PROJECT PROGRESS REPORT**

Semester: -7th	Date:- 16/07/2025
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>• Applied preprocessing steps in Roboflow, resizing all 211,000 images to a 416x416 resolution to ensure consistency.</li><li>• Implemented data augmentation (e.g., flips, rotations) to generate variations of the training data.</li><li>• Set up a Kaggle Notebook environment, enabling GPU and internet access in preparation for model training.</li></ul>
Work Planned for the Next Week: - <ul style="list-style-type: none"><li>• Begin the long training run on the custom dataset using the Kaggle P100 GPU.</li><li>• Monitor the training process for key metrics like loss and accuracy.</li></ul>