

COMPUTER ENGINEERING DEPARTMENT
WEEKLY PROJECT PROGRESS REPORT

Semester: -7th	Date:- 16/07/2025
Student Name:	Enrollment No:
1) Patel Neelkamal	1)220131013
2) Tomar Rahul	2)220131019
3) Dhorajiya Uday	3)220131004

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