Weekly Report-1

CSE-541 (Computer Vision)

ProjectNo_2   GroupNo_5

Ahmedabad
University

Project Title

"<u>Road Markings Detection and Road Measurement in Aerial Imagery</u>"

Date of Submission: 03-02-2024

Group Details:

Enrolment No.	AU2140001	AU2140017	AU2140032	AU2140149
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Progress:
- Selected the project title and defined the scope of work to be done.
- Conducted background research on road marking schemes and their importance in autonomous driving.
- Overview of one base paper to gain insights into different approaches and models used in similar projects.

Challenges and Considerations:
- Identified potential challenges in road marking detection from aerial imagery.
- Considered different road marking schemes and variations that may impact the project.

Next Steps:
- Look at the various papers related to the problem statement, do the literature survey and try to develop an approach to solve the problem statement.

- Look at the approach of the base paper towards the implementation of deep learning architectures to enhance the accuracy and efficiency of road marking detection and measurement. Conduct a thorough literature review, identify relevant algorithms, and experiment with different model architectures to optimize performance on the AU drone dataset.