

## **Weekly Report Of CSE623**

**6 April**

### **GROUP Cluster 555**

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#### **Task Done in This Week:**

We began by exploring and setting up the vehicle trajectory dataset which is divided into normal and abnormal driving cases. Our goal was to understand the structure and identify key features for tracking such as frame number and bounding box coordinates.

We implemented basic data cleaning to remove faulty entries and started verifying label accuracy. Early trajectory visualizations were created using center points of bounding boxes to understand vehicle paths.

To analyze driving behavior, we also designed an initial zone system around the roundabout and built a simple pipeline to convert raw data into trajectory objects. This laid the foundation for more detailed analysis in the coming weeks.

#### **Tasks Planned for Next Week:**

- Refine zone definitions for better motion tracking
- Add time-awareness to trajectories

- Improve data labeling consistency
- Begin extracting early behavioral features