Weekly Progress Report

Topic : - Offline Track association problem

Group Name: ML Titans

Project Definition: 3

Group Member's names:-

Kaushik Gohil, Richa Saraiya, Devanshi Rathod, Devasya Rajguru, Jay Golakiya

Current Week's Work

This week, we focused on improving **false positive trajectory lines** by exploring and implementing different functions. Our goal was to refine trajectory accuracy and minimize errors in tracking.

Additionally, we successfully completed the **Multiple Hypothesis Tracking (MHT) based methodology** for trajectory merging. This approach has enhanced our ability to combine trajectories effectively, leading to improved results.

Next Week's Plan

Moving forward, we plan to work on:
- **Spatio-temporal trajectory methods** – Analyzing trajectory data over time and space to enhance accuracy.
- **Graph-based methods** – Implementing graph-based techniques to improve trajectory mapping and relationship identification.

We will continue refining our approach and evaluating performance metrics to ensure optimal results.