Project Weekly 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

❖ **Progress Summary**

➢ Research Paper Review:
- Collected and studied multiple research papers on different tracking techniques.
- Analyzed various approaches, understanding how they work and where they are most effective.
- Identified the strengths and weaknesses of each method.
- Noted key challenges and solutions proposed in previous studies.

➢ Selection of Tracking Approach:
- Evaluated multiple tracking methods based on accuracy, efficiency, and feasibility.
- Considered computational requirements and compatibility with available resources.
- Shortlisted a few methods that best match the project's needs.

- Algorithm Improvement:
- Defined key features necessary for effective tracking.
- Researched various algorithms that fit these requirements.
- Compared algorithms based on performance, speed, and adaptability.
- Narrowed down the list to a few promising algorithms for further testing and implementation.

◊ **Next week-** We will focus on understanding the given dataset, exploring its structure, and identifying important features. We will test the selected tracking methods using the dataset to see how well they work. If we find any issues or patterns, we will analyze them and make necessary improvements.