

# Project Charter

## **Team 25:**

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## **Problem Statement:**

Many people like to run, walk or even bike with a set route - and they utilized apps such as MapMyRun or even Google Maps. However, such apps do not allow users to freely create their own, personalized routes based on their preferences. On the contrary, our offering of a mobile web app would provide extra features, such as allowing users to generate a customizable route based on their preference of incline, distance travelled, or even any specific spots or scenery that they want to go through.

## **Project Objectives:**

- To create a fitness app that would carve customizable paths for runners, bikers, and walkers.
- Project will use Google Maps API to help create customizable routes.
- Develop an algorithm that optimizes and closely resembles the user's preferences.
- Time Permitting: Develop a database to store user data for personal statistics.

## **Stakeholders:**

- Developers - Aldio, Jackie, Simron, Revanth, Willy
- Project Coordinator - Aviral
- Project Owners - Aldio, Jackie, Simron, Revanth, Willy
- Users - Smart phone owners who are interested in running

## **Project Deliverables:**

- A web application which will be able to generate customized routes from the user's preferences.
- A mobile application which will be able to generate customized routes from the user's preferences.
- Time Permitting: A social platform for users of the program.
- Time Permitting: Storing user data and showing analytical statistics such as pace, calories burned, and distance travelled.
- Time Permitting: Implement recommended routes using machine learning on big data.
- Technology: AngularJs for the UI, NodeJs for the backend, MySQL for the database, and Adobe PhoneGap for cross platform mobile development.