**Mini Project**

Team number : 5

Team Name : Schyfane

Amal C P CCE20CS011

Ajay Vishnu E CCE20CS004

Enric S Neelamkavil CCE20CS025

Vaishnav M J CCE20CS062

**Scenario**

Waste management is one of the most important problems faced in the today's world. An idea that can provide an effective waste management in the current scenario has become a necessity.

The toxicity due to all types of pollution is a threat to human race. Our product will replace the current outdated waste management systems.

**Problem Statement**

How might we address waste (including e-waste), handling, storage, transportation, recycling, and final disposal of any residual waste in a uniform way globally such that the developing or poor countries are saved from becoming the dumping ground for the developed countries?

How can we incorporate technology solutions to sustainably grow dairy and livestock keeping emissions in balance?

Our App features a new waste management system for rapidly growing cities. Instead of waiting for inefficient waste collection systems and unreliable pickup trucks to collect your waste, WRAP lets you request a pickup on-demand with just the tap of a button. WRAP platform is cheaper, efficient, and reliable than local incumbent systems, faster than their service, and Waste collection made easy and fantasized.

Unlike other Waste management platforms, our idea is to spread good environmental habits of sorting and recycling your waste and help you to track your waste and impact on the environment from your solid waste collection data.

We categorize the collected waste according to our waste grading system and rewards with WRAP coins. They can be used to claim various deals and vouchers on our partner websites. This would encourage the users to manipulate the recyclables properly. We are launching "WRAP", a web application that collect your recyclables and provides you with rewards for them

**Mini Project**

Team number : 5

Team Name : Schyfane

Amal C P CCE20CS011

Ajay Vishnu E CCE20CS004

Enric S Neelamkavil CCE20CS025

Vaishnav M J CCE20CS062

**Scenario**

While a passenger is traveling to an unknown place ,he/she won’t be able to know about the restrictions and speed limits of the area. On Google, maps only provide the time of travelling distance ,not providing time calculated with traffic lights ,so that time of traveling exceeded predicted.

**Problem Statement**

The current travel calculation systems are not efficient as it misses out on a lot of factors like traffic light delays, speed limit variations across the road, etc.. Create a solution that can provide the user with more accurate time calculations.

Gather data on traffic congestion, speed limits, road construction, accidents, and other factors that could affect travel time. This data could be obtained from various sources such as traffic cameras, GPS data from vehicles, and public transportation systems. Create a database to store the collected data. The database should be designed to handle large volumes of data and should be optimized for fast retrieval and processing.

Use the collected data to train a machine learning model that can predict travel times based on various factors such as time of day, day of the week, weather conditions, road conditions, and traffic congestion. The model should be able to learn from historical data and adapt to changes in real-time data. Integrate the machine learning model with a travel app that users can use to plan their trips. The app should provide users with accurate travel time estimates based on real-time data and the user's current location.

Monitor the performance of the machine learning model and continuously update it with new data to improve its accuracy over time. By incorporating real-time data and machine learning algorithms, this solution can provide users with more accurate travel time estimates that take into account factors such as traffic light delays, speed limit variations, and other factors that can affect travel time.

**Mini Project**

Team number : 5

Team Name : Schyfane

Amal C P CCE20CS011

Ajay Vishnu E CCE20CS004

Enric S Neelamkavil CCE20CS025

Vaishnav M J CCE20CS062

**Scenario**

The travellers are unaware of festivals, viewpoints etc to visit and enjoy about major happenings around them.

**Problem Statement**

Travellers are unaware about the major events occurring around them while they visiting the city. Create a solution which provides the users with information about major happenings around them.

Gather data on major events such as concerts, festivals, sports events, and cultural events happening in the city. This data could be obtained from various sources such as event calendars, social media platforms, news websites, and local event organizers. Use the collected data to train a machine learning model that can predict major events happening in the city based on various factors such as time of day, day of the week, and location. The model should be able to learn from historical data and adapt to changes in real-time data.

Monitor the performance of the machine learning model and continuously update it with new data to improve its accuracy over time. By incorporating real-time data and machine learning algorithms, this solution can provide travellers with information about major events happening around them in real-time. This can help travellers plan their trip better and make the most of their time in the city by attending major events that they might not have been aware of otherwise.