**Food tracker**

**Proposer**

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**Proposed supervisor**

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**Problem statement**

One of main problem all around the world is food wastage. There are two main kind of food waste. Food loss and food waste. From that two categories food loss is a comparatively bigger than the food waste. Food loss can be defined as any edible food that goes uneaten at any stage. In addition to food’s that uneaten in homes and stores, or the in the fields, foods spoils in transportation and all other food that doesn’t make it to store.

When talk about the amount of food wastage only in America has about 68 percent or about 42.8 million tons of wasted food, generated in 2018 and it ended up landfills or combustion facilities. Moreover, food waste that is not handled properly or reclaimed properly through the composting can have many negative environment consequences. As an example, landfill gas from anaerobic digestion of organic matter is a major source of the greenhouse gas methane. And un-reclaimed phosphorus in food waste, leads further phosphate mining. Moreover, reducing food wastage in all a part of the food system is an important part of the reducing the environmental impact of agriculture, by reducing the total amount of water, land use and other resources.

However, for many people in the world food waste has become a habit. Buying more food than we need at markets, letting fruits and vegetables spoil at home or taking larger portions than we can eat. Sometimes we forgot what we bought and just leave in the refrigerator or in the pantry. And after the expiration date we dump those foods or products without consuming. If we are good enough to manage those, we can reduce wastages by ourselves. But with the busy lifestyle it is normal things forgot the products and foods stored in home. For that kind of instance, we can simply use a mobile application to get remind if our food going to expire.

**Project description**

As mentioned in the above most of the peoples living in these days are spending very busy lifestyle. They may be busy in the work as well as technology. Rather than the few years back, after the pandemic situation peoples are get closer to the new technology. They love to use new technology or new things other than the manual or old systems. So, for the food wastage we can simply use a mobile application. From that mobile application, user get notifications if their food that bought from the market are near to getting expire.

And not only that, but user can also see different kind of recipes from the food items that they have bought from market. And nowadays people are very much concerning about their foods. Even they limit foods to prevent from various diseases. So, from this application might help to choose wisely to select foods according to the calories. When user check out the application from mobile, he/she can see number of calories include in each food items. Another specialty of this mobile application is user does not need to spend time to add food items one by one to this application. This application will get all the data that user purchased from the market.

So, this is not only for the user, but this also connect with a shop. Normally supermarket have a specific database to store manufacture date, expire date, price, calorie amount of the product. When the customer or user buy the foods from that supermarket mobile application automatically get the details what he/she brought and save that information like wise. This project can save time, wastage, money, and the environment.

**Project keywords**

Foods, Tracking, Mobile, Application, healthy

**Requirements**

* APIs for the food identifications
* Hosting servers

**Finance**

Not available

**External organizations**

Not available

**Other staff**

Not available

**References**

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