Basic Details of the Team and Problem Statement

Ministry/Organization Name/Student Innovation: Government of Kerala

PS Code: SIH1322

Problem Statement Title: Domestic Waste Management

Team Name: Undefeated Magnificients

Team Leader Name: Abishai Eugene E

Institute Code (AISHE): C-26783

Institute Name: PSNACET

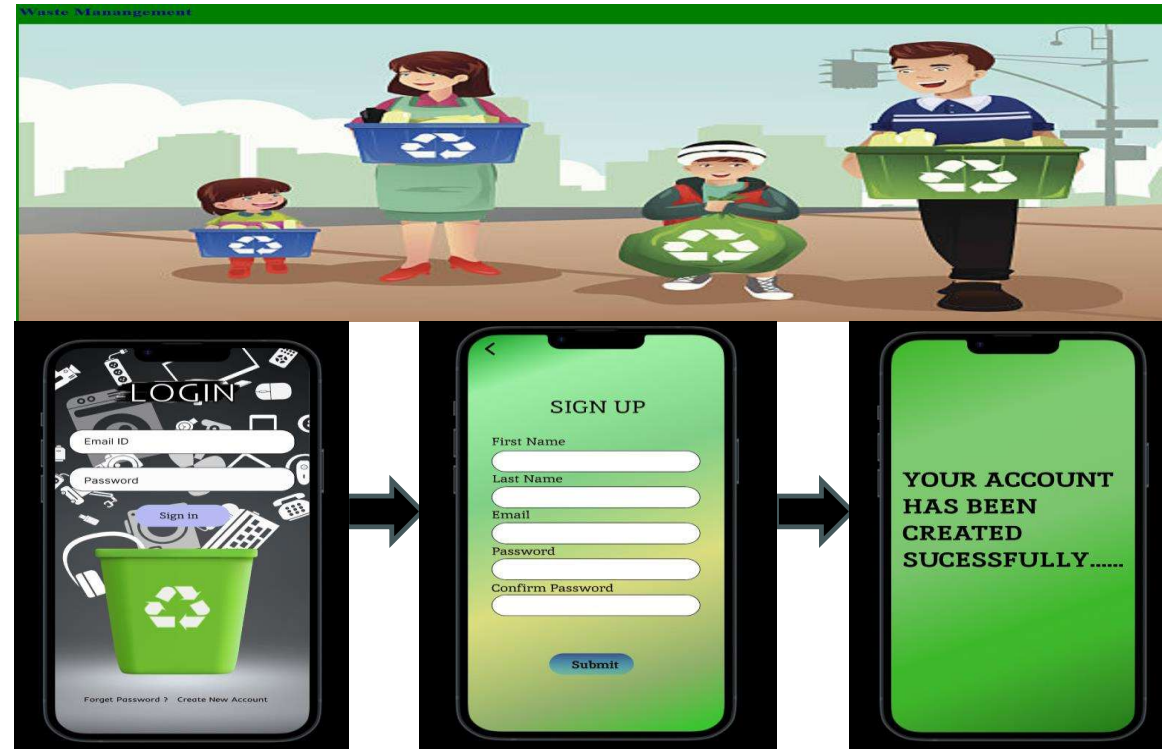**Theme Name: Clean & Green Technology**

Idea/Approach Details

Problem:

➢ Peoples in our country disposes waste in landfill Site, then they burn it.

➢ While the plastics are burned, we get no benefit from the plastic waste.

Idea/Solution/Prototype here:

➢ Individuals are encouraged to gather their plastic waste in designated containers.

➢ Participants are kindly requested to segregate and bring exclusively non-biodegradable plastic waste to the storehouse.

➢ Upon arrival at the storehouse, the non-biodegradable plastic waste is carefully placed and prepared for accurate measurement.

➢ The Bluetooth-inbuilt weighing machine is connected to a mobile app via Bluetooth.

➢ The mobile app shows how many kg the weighing machine contains, and credits will be rewarded according to it. For Example 1 kg = 1 Credit.
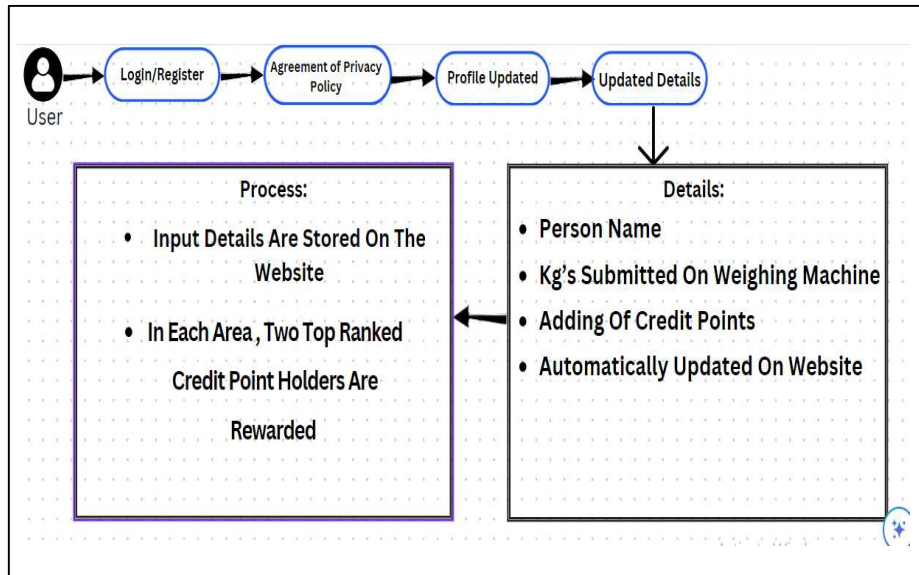
User Interface:

Technology stack:

Idea/Approach Details

Flowchart

User → Login/Register → Agreement of Privacy Policy → Profile Updated → Updated Details

Process:
- Input Details Are Stored On The Website
- In Each Area, Two Top Ranked Credit Point Holders Are Rewarded

Details:
- Person Name
- Kg's Submitted On Weighing Machine
- Adding Of Credit Points
- Automatically Updated On Website

Process

Dependencies

➢ User Name, State, District, Area.

➢ Bluetooth in-built weighing machine.

➢ Bluetooth functionality in the app.

➢ Database to show kilograms and credit points.

➢ Internet connectivity.

Benefits

➢ By using this app, the government collects non-biodegradable plastic materials from the storehouse and uses them to build plastic roads.

➢ The government has benefited, and it will gain more income from the plastics industry.

➢ Individuals working with waste materials are having a happy ending with the certificate that was given by the government.

Team Member Details

Team Leader Name: Abishai Eugene E

Branch : B Tech   Stream : IT   Year : III

Team Member 1 Name: Meshak Eugene E

Branch : B Tech   Stream : IT   Year : III

Team Member 2 Name: Godwin Joe D

Branch : B Tech   Stream : IT   Year : III

Team Member 3 Name: Gowsika S

Branch : BE   Stream : CSE   Year : II

Team Member 4 Name: Ramana SP

Branch : B Tech   Stream : IT   Year : III

Team Member 5 Name: Gokul Kannan M

Branch : B Tech   Stream : IT   Year : III

Team Mentor 1 Name: Mrs. S.T. Bharathi

Category: Academic   Expertise: Cloud, Network   Domain Experience (in years): 5

Team Mentor 2 Name: Mrs. A. Sangeetha

Category: Academic   Expertise: Network , AI/ML   Domain Experience (in years): 18