Absolutely – it's possible to develop an AI-enabled sustainability solution that is approachable for beginners if we opt for a light AI scope and leverage existing tools instead of reinventing the wheel.

Allow me to present a streamlined and more approachable iteration of the GreenMind AI concept:

## Problem Statement

The difficulty of having a proper waste disposal system and other sustainable habits stems from the lack of a simple way to check, track, and motivate users on a daily basis.

## Beginner Friendly Solution: GreenGuide Lite

### Aim of the mobile app

Enable users to check waste classification and track sustainability achievements using a mobile app powered by pre-trained AIs with basic reward systems.

Check Waste Type – Analyze image of waste. It is classified as wet, dry, recyclable, or hazardous.

Track green actions – Log activities such as cycling, using reusable bags, or volunteering for clean-up events.

Eco-Point system – Points can be awarded for each action as well as viewing leaderboard.

### How beginners can build it

AI Waste Recognition
Use small datasets of waste images to train a basic image classifier using Teachable Machine or Tensorflow Lite.

Begin with 3-4 categories: Wet, Dry, Recyclable, Hazardous.

App Development
Create a basic mobile app UI using MIT App Inventor or Flutter. Integrate the AI model for image classification.

Reward Tracking
Record selection and history in Fire.