

SUSTAINABLE SPROUT

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SUMMER APPATHON

OVERVIEW

- **App Name:** Sustainable Sprout
- **App Description:** The ultimate all in one app which allows you to track your activities & a lot more, all in reference to climate.
- **Track:** Youth Team
- **Category:** Climate and Sustainability

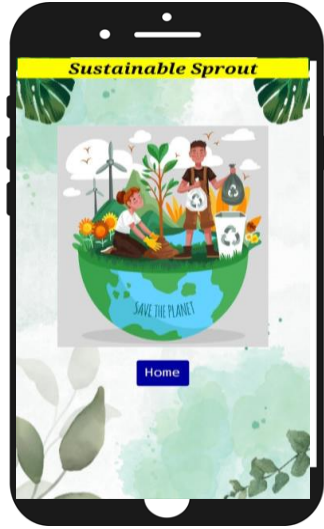


THEME

Sustainability is an essential concept in today's world, as it is the practice of resource utilization that meets present needs without harming future generations' ability to meet their own needs. Sustainable Sprout is an all in one app which not only allows the user to **calculate his Carbon Footprint** but also gives an option to take a **Pic of planting** a sapling and **share it** with their friends. Another salient feature includes the **Classifier** which tells you if an object is recyclable or not. If it is, you can send it to the nearest recycling center by looking up in the **Recycling sites** module. One can know the **AQI** and **Weather** too. **Personal Goals** aids you to list down your goals of the day for a cleaner & greener environment. The **Information** module gives out some knowledge & lastly **About Us** tells you about the makers of the app.



INSTRUCTIONS



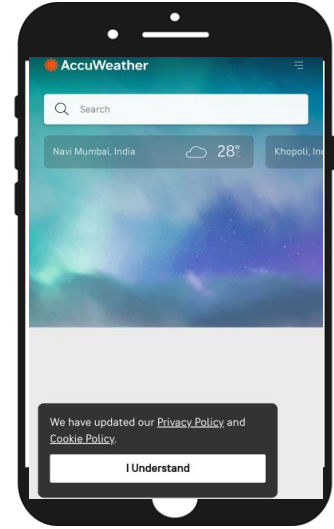
Introductory Screen



Home Page part 1



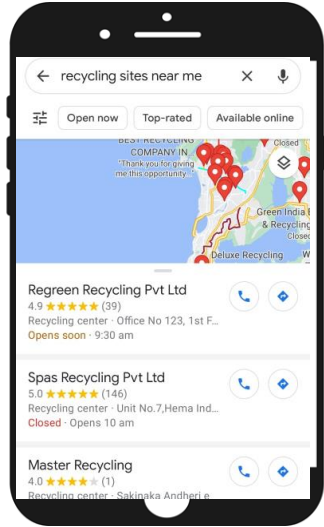
Home Page part 2



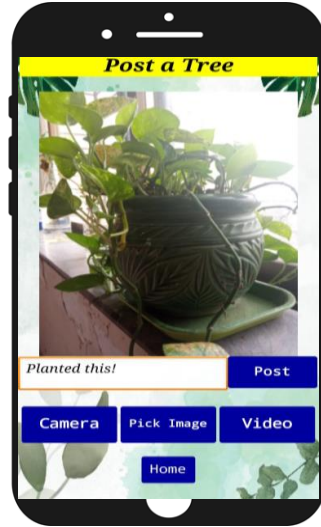
Weather & AQI



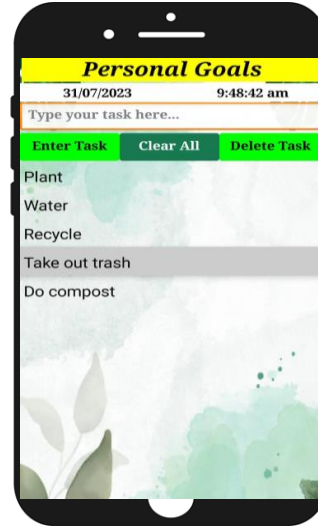
INSTRUCTIONS



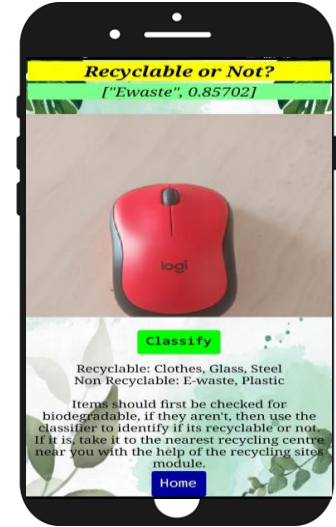
Recycling Sites
Near Me



Take a Pic of
yourself planting a
tree or sapling and
then post it on
different platforms



Enter your daily
goals for a cleaner
& greener future



Take a pic to classify
if it recyclable or not.
(Using Image
Classifier)



INSTRUCTIONS

The screenshot shows the app's home screen with a yellow header titled "Measure your Carbon Footprint". Below the header is a blue button labeled "Monthly usage/amount paid". Underneath is another blue button labeled "Transport". The main content area contains two questions: "Do you recycle aluminium and tin?" with radio buttons for "Yes" and "No" (where "No" is selected), and "Do you recycle newspaper?" with radio buttons for "Yes" and "No" (where "Yes" is selected). At the bottom, there are two blue buttons: "Calculate" and "Home".

Click on the 2 buttons to go to the next screen & tick the checkboxes. Click calculate.

The screenshot shows the "Monthly usage/amount paid" screen with a yellow header. It features three input fields: "Monthly electricity bill" with the value "5000", "Monthly water usage" with the value "400", and "Monthly Gas bill" with the value "300". At the bottom, there are two blue buttons: "Calculate" and "Back to main screen".

Enter your data and click calculate. The values in textboxes will change accordingly.

The screenshot shows the "Transport" screen with a yellow header. It has two input fields: "Number of flights have you taken in the past years" with the value "5", and "Mileage of your car(km/litr)" with the value "40". At the bottom, there are two blue buttons: "Calculate" and "Back to main Screen".

Enter your data and click calculate. The values in textboxes will change accordingly.

The screenshot shows the "Score" screen with a yellow header. It features a large graphic of a green footprint on a blue globe with a "CO₂" molecule. Below the graphic, the score "5531.6" is displayed. At the bottom, there are two blue buttons: "Show Score" and "Home Page".

Show score will show your final carbon footprint after all calculations.



INSTRUCTIONS



Information about
the planet and
others.



Information about
the makers



LIMITATIONS

- In Post a Tree, the image just gets shared and not saved. However, you can also post a pic that is already saved.
- In Recyclable or Not, the data used in the model is only Plastic, Steel, Glass, Clothes & E-waste. Hence, it won't show appropriate answers.



ACKNOWLEDGEMENTS

Please list the names of anyone who helped you with developing your app, and describe what type of help they provided.

- No help was taken. Everything was done ourselves :)



APPENDIX

The following is the model of Image Classifier.



model.mdl

TITLE

In this era, where sustaining has utmost importance, we have come up with an app that is interactive and will help you last or sustain this era. The idea of the app is to have all material related to climate and sustainability at one place. It includes:

- i. Measuring your carbon footprint
- ii. Weather & AQI
- iii. Personal Goals
- iv. Information
- v. Image Classifier
- vi. Recycling sites
- vii. Click & post pic
- viii. About us

I'm sure you'll find our app interesting and will be on the home page of your mobile phone :)





THANK YOU

SUMMER APPATHON