



CARBO-PRINT PROPOSAL PRESENTATION

PRESENTED BY
Team HackJack

AGENDA

- 3 CarboMeter and OxyMeter
- 4 CarboMeter FrontEnd
- 5 OxyMeter FrontEnd
- 6 Open Weather API-Temperature and Humidity
- 7 Calculating Health Of Plant-Sunlight,height and Webcam
- 8 Proposed API
- 9 Future Scope
- 10 Challenges and Learnings

METHODOLOGY

Carbon Meter

- Carbon Emission by petrol, diesel through vehicles
- Through power supply
- Through LPG and fossil Fuels.

Oxygen Meter

- We require data for deriving the formula :
 1. Water level content(Humidity)
 2. Carbon dioxide
 3. Sunlight radiation
 4. Chlrophyll Content
 5. Height of the tree
 6. Temperature

CARBO METER INPUTS IN FRONTEND

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Number of vehicles

Type and number of appliances

Power consumption (Monthly in kwh)

Mode of Cooking LPG or Fossil Fuel

OXY-METER INPUTS IN FRONTEND

Chemical Equation



SPECIES OF PLANT

LOCATION OF PLANT (FOR TEMPERATURE,WATER LEVEL,HUMIDITY)

HEIGHT OF PLANT

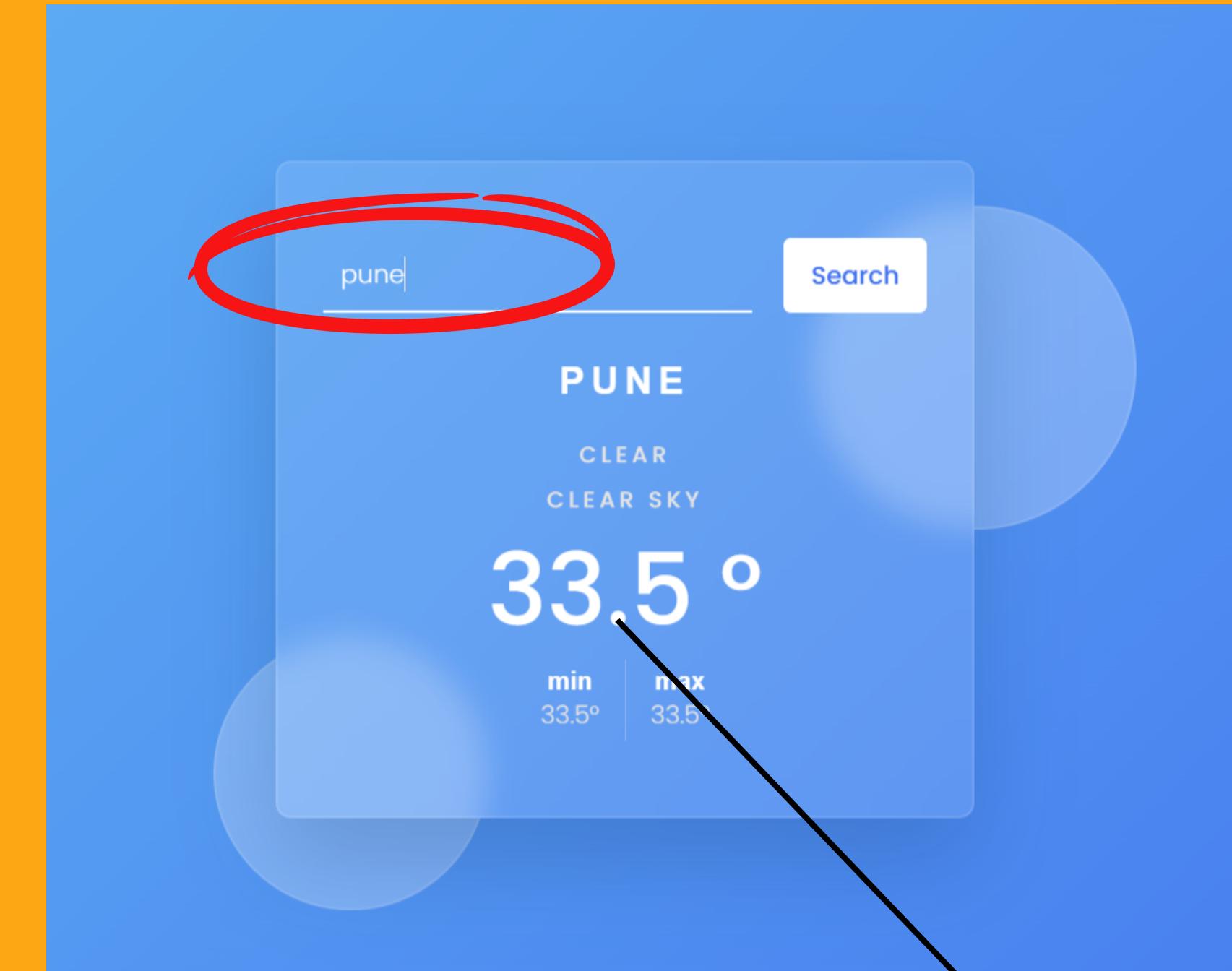
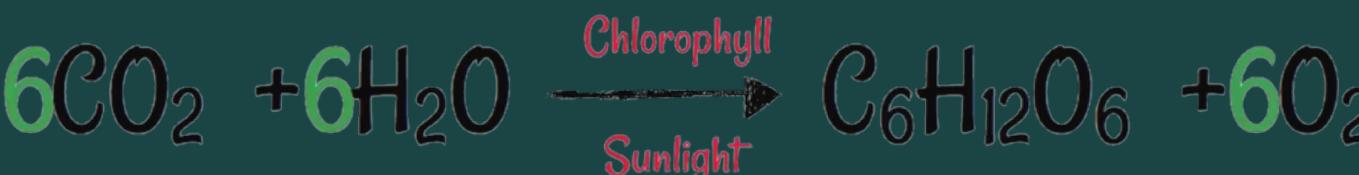
TYPE(INDOOR, OUTDOOR,SEMI-INDOOR)

API USED

FOR DETERMINING THE
HEALTH OF PLANT WE NEED
FACTORS

- CLIMATIC CONDITIONS
- TEMPERATURE

Chemical Equation



TEMPERATURE FOR DETERMINING
PHOTOSYNTHESIS PROCESS

Chemical Equation

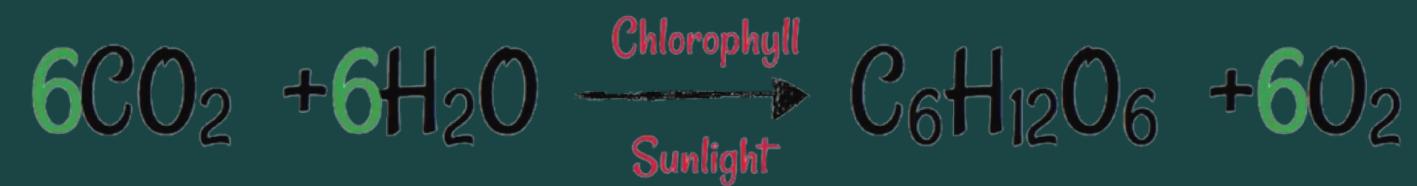
METHODOLOGY

DETERMINING CHLOROPHYLL-WEBCAM

- Photosynthesis process is dependent on chlorophyll content .
- we propose to use ai-based webcam that will calculate the density of chlorophyll based on the colour.
- This will determine the health of plant.

DETERMINING SUNLIGHT AND HEIGHT

- This information is taken by the user :
 - 1.indoor plants
 - 2.outdoor plants
 - 3.semi-indoor plants
- Amount of sunlight thus, changes the health of individual plant.
- Height of plant is Taken by user in metres.



PROPOSED API/AI

Capture

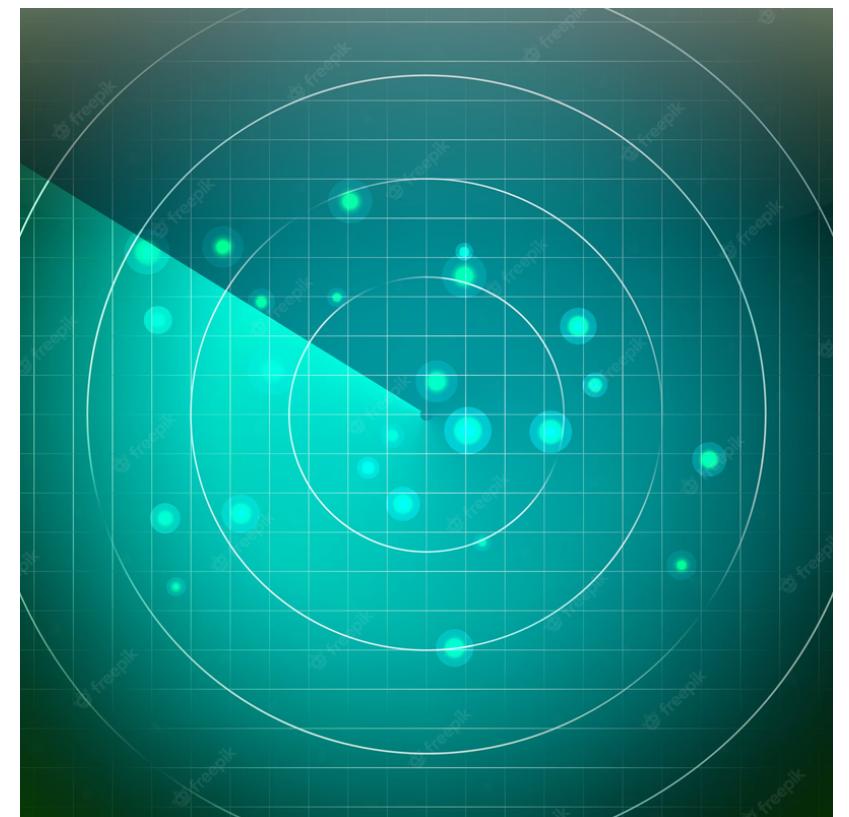


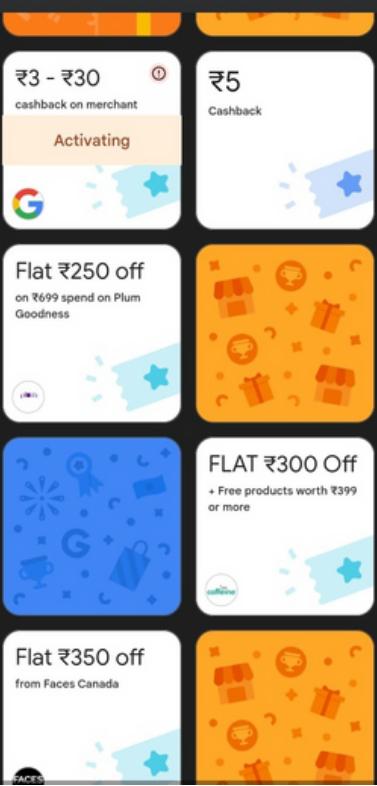
To determine health of the plant we need to check its chlorophyll density after scanning the leaf.

TO DETERMINE THE CHLOROPHYLL CONTENT

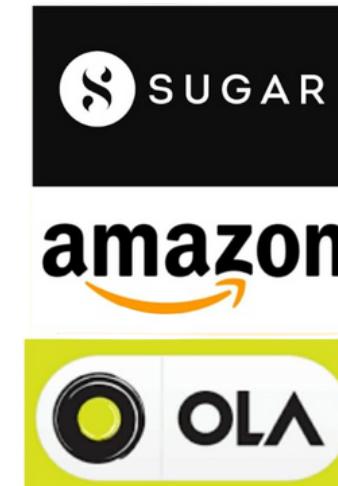
TO TRACK NEARBY USER'S LOCATION

Just like Arogya setu apps that use nearby user's data and compare it with yours. We propose api to rate your performance with others.





FUTURE SCOPE-WHY WILL USER WANNA DO THIS?



BADGES AND CERTIFICATE

AS YOUR CARBO-PRINT FACTOR DECREASES YOU UNLOCK BADGES AND CERTIFICATES

LINK WITH BRANDS

MORE THE NUMBER OF PLANTS YOU UNLOCK REWARDS LIKE GPAY

CARBO-PRINT APP

MORE USER CENTRIC AND USER FRIENDLY

CONNECTING TRANSPORT ROUTES

More vehicle consumption , solution-showing bus/train routes.

CERTIFICATE OF APPRECIATION

Proudly present to

Pragati Chandra

for her brilliant efforts towards nature and
exceptional performance in February 2023

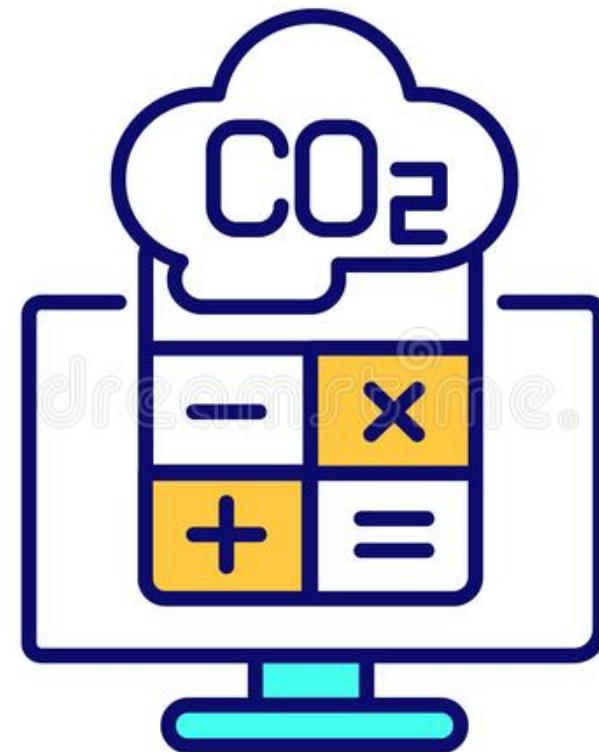
Avery Davis
President and CEO



Date :
3rd May, 2022



CHALLENGES AND LEARNINGS



MERGING MADE APIs

PIE CHART USING JS.

DERIVING THE FORMULA
FOR CALCULATING
HEALTH OF PLANT

REFERENCES

[HTTPS://NEWS.GODYEAR.EU/HOW-TO-REDUCE-YOUR-CARBON-FOOTPRINT-
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