Challenge name is **You are my Sunshine**

Our Team
Gods Sunshine

Two Team member

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Gains from Solution? Our opportunity?

Assist humans make decision on Solar Panel Installation at their premises.

Formula: If Weekly Average Sunshine   > 120   `Install Panel`
else if Weekly Average Sunshine   < 120   `Panel not Recommended`

Opportunity: Make world and space mission energy predictable

What problem does your project solve?

Decision Making: Whether it is appropriate to install Solar Panel at premises or not.

Concisely describe your understanding of the challenge?

Challenge: Create User awareness of timespan of available sunshine that allows decision making on whether to install Solar Panel(s) or not.

Our approach to solving Challenge?

- Based on the data fetched from **NASA POWER URL** we showcase weekly average sunshine.

- Number greater than 120 means abundance of Sunshine.

- Hence, our solution is assist full in decision making on whether to install Solar Panel or not.

Snapshot of your project visually and project features

User location is shown after click on "Fetch Current Location"

User enters date to indicate weekly period.

STEP- 1   **Fetch Current location**

Latitude and Longitude will display here

Latitude: 30.9579652
Longitude 75.7487779

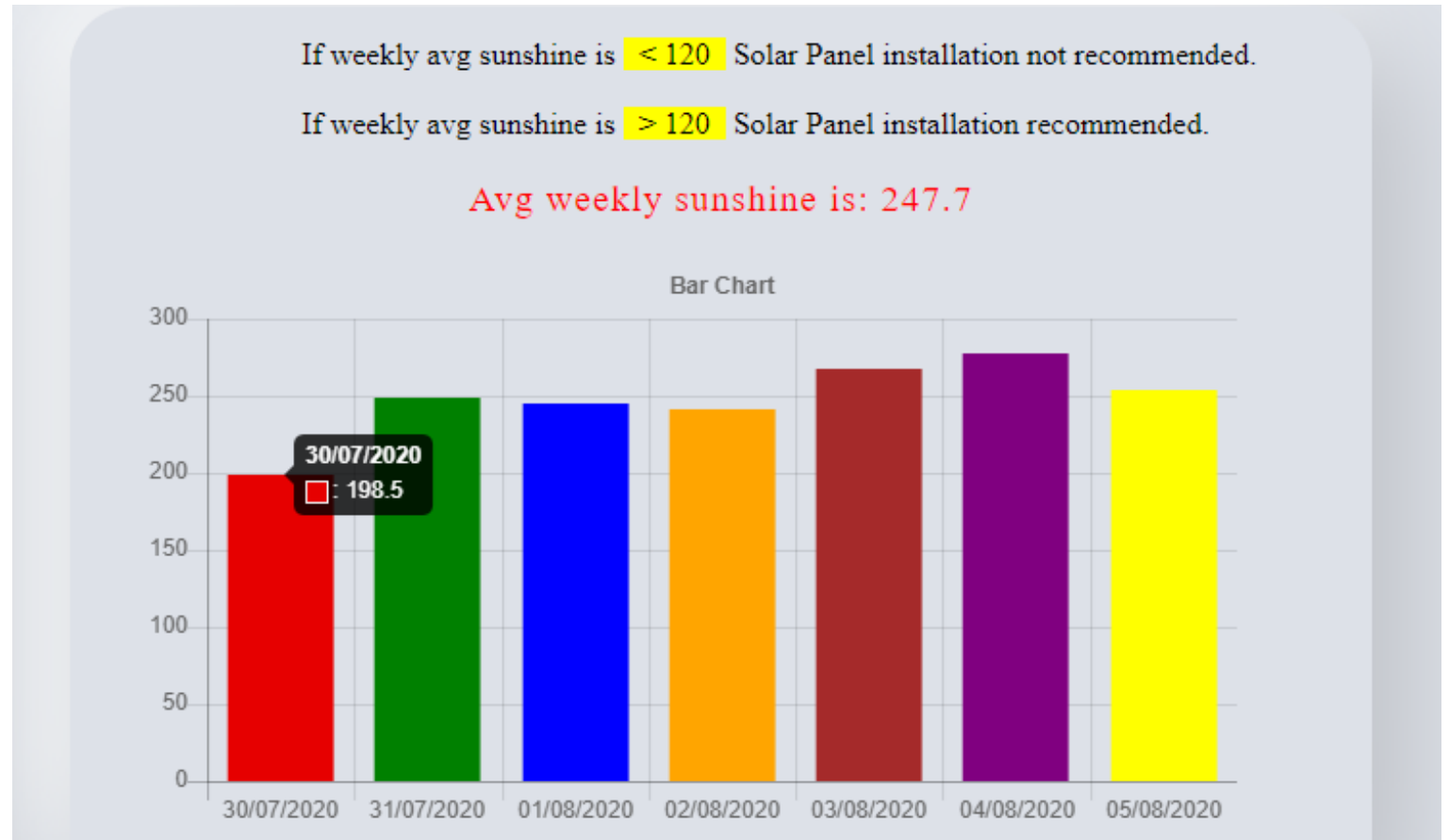STEP- 2   Enter date in format **YYYY/MM/DD**

2020-08-02

Start Date: 30/07/2020

End Date: 05/08/2020

Submit Date & Calculate Avg

Finally Submit and calculate results

Weekly data is auto calculated based on 3 days before and after from the entered date

Continued......
On click of
Submit button
results are
visible

Future opportunities

Instead of weekly calculate data based on 3 days average.

Considering Solar Panel to have 3 days back up without Sunshine we would like to show whether there are 3 such days during past 1 year when sunshine is consistently not available.

If so, then it could be good to have alternate energy solution as well in place.

Link: https://testing.sudhanshujain.com/sunshine9/

Thanking you. Have abundance of Gods Sunshine