

Solar plant Estimator

Problem & background

Cost of electricity burden can be reduced by using solar electricity. Using solar electricity is most smart solution as it is a renewable and sustainable source of energy. It is environmentally friendly that doesn't produce greenhouse gas emissions or air pollution. By using solar electricity, we can reduce our carbon footprint and help to mitigate the impacts of climate change. It is cost-effective, once the initial installation costs have been paid, solar energy is essentially free. This means that over time, solar electricity can be more cost-effective than traditional sources of electricity

Solution

Using solar plant on rooftop is an excellent solution. This project aims to calculate solar power plant size and its approximate cost.

Methodology & Project scope

- We collected the data from different website to find out unit cost calculation.
- We find out solar power generation for different size.
- We developed application for finding out cost of solar plant installation according to our need.

Goals & KPIs

How will you measure the success of your project?

- **Goal 1:** Electricity consumption can be calculated
- **Goal 2:** Solar plant size according to electricity consumption can be calculated
- **Goal 3:** Approximate cost for solar plant installation can be find out.

Concepts Used

Which concepts have you used which have been taught in the Module (Any formula or technique)?

- **Concept 1:** Data Collection from websites

- **Concept 2:** colour coding
- **Concept 3:** Basic mathematic calculation

Conclusion

An application is developed using approximate values to find out solar plant size, electricity consumption and approximate cost for installation. Using solar electricity can be an environmentally friendly, cost-effective, and sustainable way to generate electricity.

Project owner

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