

CP/MP Project Progress Report



Batch: H4

Date: 10th February, 2023

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1.ABOUT COMPANY

I am interning in the solar based company, Imagine Powertree pvt ltd.

Powertree presents solar energy in an aesthetically- pleasing and functionally efficient way. Powertree, in fact, is the perfect synergy of art and technology. Its modular design provides flexibility and renders itself an aesthetic look. As Powertrees stand tall in your premise, they add value to your space and make a statement about your commitment to the environment inspiring others to adopt solar energy. “ Powertree can be used for multiple complementary applications like ‘EV Charging”, “Water Purification” and Many other. Following are the Some of the Key segments.”

Powertree is a Gandhinagar based Sustainable Technology Innovation Company incubated at Pandit Deendayal Petroleum University and supported by Industries Commissionerate (IC) Department, Government of Gujarat under Start-up/Innovation Scheme.

At Powertree we invent, designs, engineers and manufactures Solar Tree which incorporate beautiful, efficient solar panels in sculptural forms designed to inspire, to generate electricity along with saving huge space consumption problem. We have 16 design patents in our name for various innovative designs of Solar Tree. We also have received multiple recognition and awards from various national and international organization in last two year including Unites Nations top 100 Startup of the world, Top 10 Startups of India by Bombay Stock Exchange and others.

INDUSTRY MENTOR:

Considering the fact that Imagine Powertree is a Solar based company, I don't have a role in their day-to-day work base. So I directly report to the founder and CEO of the company , Mr. Shani Pandya. He is an PDEU alumina and is the reason for the smooth and productive functioning during my time at Imagine Powertree campus.

2. MY ROLE IN THE COMPANY

Considering the fact that Imagine Powertree is a solar based company I don't have any role in their day-to-day activities.

But I was hired with the main purpose of redesigning their website. Their current website was static in nature and really out of design. Moreover, they didn't have any In-website query processing mechanisms.

Imagine Powertree does have a website but it is static in nature and wanted a constant support of an IT person for update of information. Thus creating a dynamic website with an admin panel will enable them to easily update information easily and as frequently as possible. This is where my role lies. I am assigned the responsibility to design a full stack website with an admin panel to monitor incoming data and manage information on website.

3.NEED FOR A WEBSITE

A business's online presence, regardless of industry, can have a massive impact on its success. In this day and age, some businesses still don't realize that a majority of their customers will visit their website before making a purchase.

Having a strong online presence, particularly a website, can be make or break for generating more revenue.

One of the main reasons you should have a website for your business is to increase your organization's credibility. Chances are there are several providers offering a similar service to yours. One way you can stand out is by having a website that looks good and clearly communicates quality information to your consumers.

Without a website, people may question your legitimacy as a business. Having a website is an opportunity to make a great first impression and give people comfort that you're a real business.

Perhaps one of the most intriguing reasons to have a website for your business is because it can increase your chances of getting leads.

Once people find you online, become interested in your product or service and want to know more, they'll know how to contact you thanks to the information on your website, which gives you the opportunity to increase your sales. Even though websites have a cost, when used correctly, they have a positive ROI.

4.TIMELINE



1st week

General discussion with team, Analyzing requirements of website, Resource Gathering, Technology Selection



2nd week

Generalized Database design, Website layout analysis, Studying other competitors' website



3rd week

Finalizing theme and color palate of website, designing Home-page's templates



4th week, 5th week

Designing templates for all other pages in website, unaliasing animation options
Note: was on a leave from 1st feb to 5th feb



6th week

Front end static code for the website

5. TECHNOLOGIES USED/ WILL BE USING

The internship with Imagine Powertree will enabled me to get acquainted with industrially accepted tools like :

- Figma
- Python
- Django Framework
- Database designing using sql
- Html , CSS , JS

Why Figma?

Figma provides an app to help the designer do self-check. So they can see how the design looks and interact right on the phone

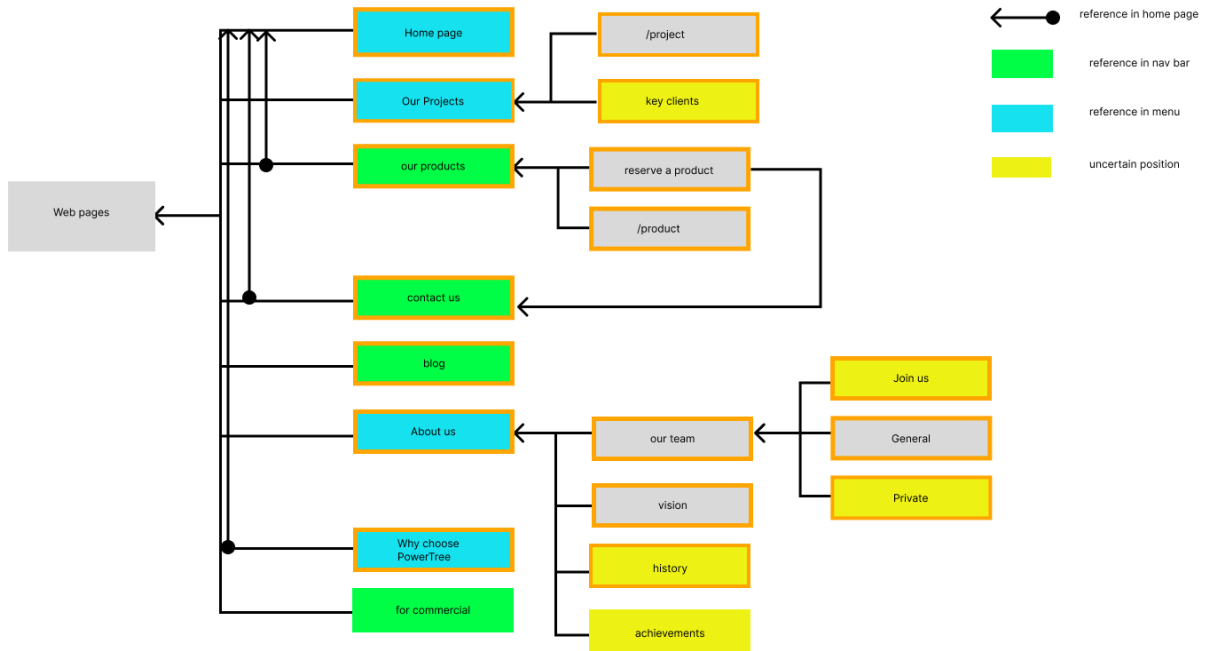
Why Django

Team Imagine Powertree wanted a dynamic website with a dashboard. Moreover considering their non-IT composition, an admin panel to control all Information and display them becomes easy. This functionality can be achieved using either Django or flask frame work.

Flask is easier in complexity but provides limited functionality thus we opted for Django.

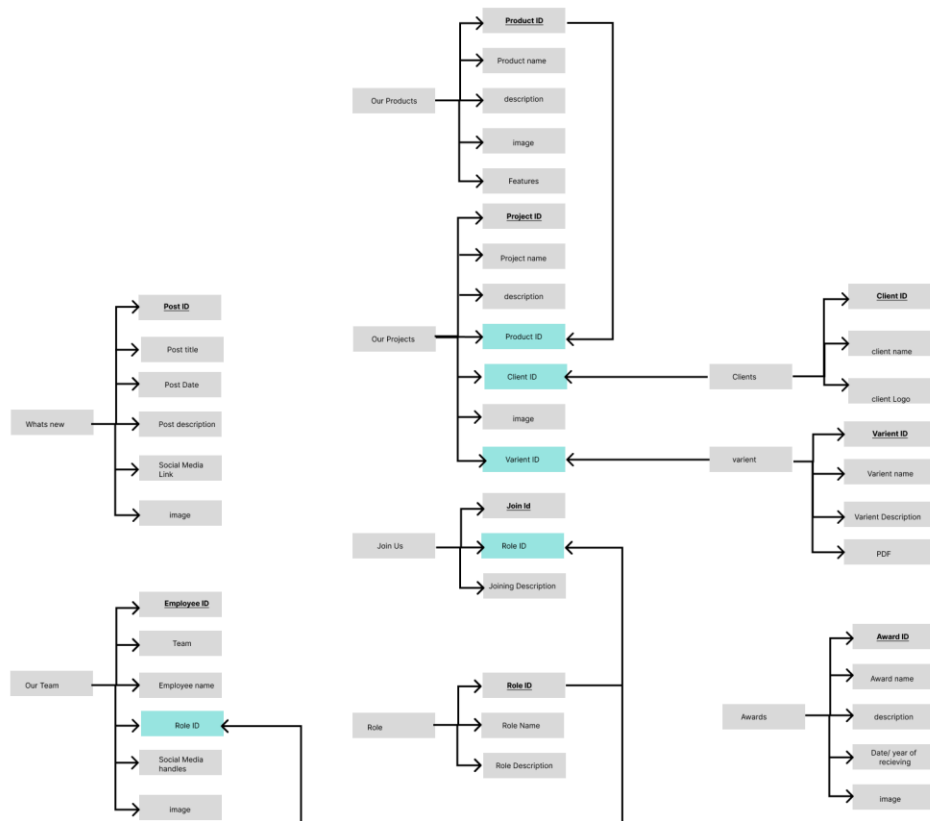
6.WEBSITE LAYOUT

This diagram represent the flow of pages and information in the website.
All of the highlights and border are for understanding the reference of these pages.



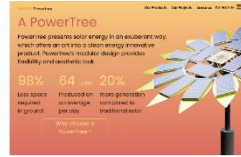
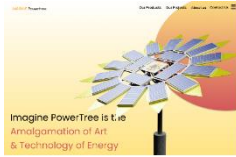
7.RDBMS DESIGN

This design was created using Figma. It is now how a database design us done actually. The actual RDBMS design will be done after the completion of static page so that actual content required, schema formation and relation formation becomes easier



8. SOME OF THE TEMPLATES

1)



2)



3)



4)

