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Abstract

We have created a Web based platform to connect all the stake holders of the Agriculture system in India – The Farmers, The Consumers, The Corporates/Food Consultants and The NGOs. This web based platform encourages and connect them all who are working towards the advancement and development of Agriculture and helping the farmers live a happy and peaceful life receiving appropriate price for their produced crops, along with empowerment of rural women in agriculture. We aim to connect the farmers to the corporates and consultants to help them understand the technological advancements in agriculture. This platform is also for sharing information and highlighting issues related to Agricultural systems. We bring in all forms of agriculture and farmers.





- Creates a common platform for all kinds of farmers and small/ medium/ large scale businesses to have effective **trading opportunity**.
- The farmers will be able to **see and compare the various prices** offered by the all for their harvest. Hence, choose and receive **appropriate price** for their harvest in a very easy and convenient way.
- The farmers will be able to **buy their agricultural ingredients** at effective prices. Only **eco-friendly** products will be promoted.
- The farmers will be able to ask their agricultural problems and doubts to our chatbot and experts as well from various educational institutes and research centers.

Segments of the Website

Farmers' Corner

- Can Buy
- Can Sell
- Can Rent
- Can Ask doubts
- Can connect with workers

Customers' Corner

- Can Buy
- Can upload articles on agriculture for all to see

NGO/ Consultant Corner

- Can showcase their details of their work in the website
- NGOs and Start-ups get a platform to show their work, connect with the farmers and help them

Agro-News

- All news and updates related to agriculture are posted here hence farmers and all other can be updated and aware of the issues and advancements

This web-based platform encourages and connects those who are working towards the:

- Advancement and development of agriculture and
 - Helping the farmers live a happy and independent life,
 - Receiving appropriate prices for their produce,
 - Along with the empowerment of rural women employed in agriculture.
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- ❖ We aim to help the farmers connect with the corporates and consultants to understand the technological advancements in agriculture. This website acts as a platform meant for sharing information and highlighting the issues related to Agricultural System.
 - ❖ This website creates a common platform for all kinds of farmers and small/ medium/ large scale businesses to have an effective and unbiased trading opportunity.
 - ❖ The farmers will be able to see and compare the various prices offered for their harvest and will be able to choose and receive an appropriate price for their harvest easily and conveniently.
 - ❖ The farmers will be able to buy their agricultural ingredients at effective and suitable prices. Only eco-friendly products will be promoted.
 - ❖ The farmers will be able to put forward their queries and doubts in our chatbot and experts as well from various educational institutes and research centers.

- ❑ Farmers' Corner- Can Buy, Can Sell, Can Rent, Can Ask doubts, Can connect with workers
- ❑ Customers' Corner- Can Buy, Can upload articles on agriculture for all to see
- ❑ NGO/Consultant Corner- Can connect with the farmers, customers, and other corporates and understand the issues in the Agriculture system as well as together figure out solutions. Can showcase the details of their work on the website, NGOs and Startups get a platform to show their work, connect with the farmers and help them.
- ❑ Agro-News- All news and updates related to agriculture will be posted here and the farmers and others will be updated and made aware of the issues and advancements.
- ❑ Donation- Anyone can donate for the upliftment and well-being of the farmers and agriculture.
- ❑ Other features- Chatbot, Connecting with workers.

“When tillage begins, other arts follow. The farmers, therefore, are the founders of human civilization.”

– Daniel Webster



Technologies Used

- Django
- HTML
- CSS
- Js
- jQuery
- Google Dialogueflow
- Bootstrap
- Tailwind
- Twilio
- Razorpay API

My Role

I have individually created a Web based platform to connect all the stake holders of the Agriculture system in India – The Farmers, The Consumers, The Corporates/Food Consultants and The NGOs. This web based platform encourages and connect them all who are working towards the advancement and development of Agriculture and helping the farmers live a happy and peaceful life receiving appropriate price for their produced crops, along with empowerment of rural women in agriculture. We aim to connect the farmers to the corporates and consultants to help them understand the technological advancements in agriculture. This platform is also for sharing information and highlighting issues related to Agricultural systems.

What I learned During the project?

Django

Complete backend with Django

Payment gateway creation

Sending message to phone from backend

Courses I took while working for this project:

I studied from Youtube videos and various sites.