Farmiculture

Team Name:- Team 2 **Theme**:- Social good

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Problems

- Farmers lack scientific knowledge about the land and the appropriate crops which they can grow in the land so they can get maximum yield.
- The number of landless agricultural workers in India as per Census 2001 was 10.67 crore and as per Census 2011 it was 14.43 crore. Day by day the number of landless farmers are increasing at an alarming rate.
 - Among them some farmers either work in the land of other farmers or lease lands and do the cultivation in it. But in both cases they are exploited by the landlords and if there are losses landless farmers have to bear it.
 - The rest of the farmers are jobless and start migrating to cities for work
- On the other hand there are other landowners who wish to put their land for crop production but do not have proper knowledge or man power to work on it

Solution

To solve these issues we have come up with a model which can find work for landless farmers as well as support landowners and farmers for crop production. Our model provides three services which are

- Land Analysis:- Setting up sensors on the land and using the data collected to suggest appropriate crop for maximum yield using an Al model. This data will be displayed to the customers so they can monitor their land during production
- Connecting Landless farmers with landowners:- Farmers searching for employment get registered with us and we will be linking them with landowners who are in need of farmers.
- Farm management:- Managing the crop production which includes human resources, crop inputs and crop protection. This service is mostly used by landowners who do not want to be involved in the management and just want to act as investors.

BUSINESS MODEL

Landless farmers

- 1. Will be registering with us, providing their details which include age, years of experience, health condition, location and other personal details
- 2. They will be signing a contract to work with us for a minimum period of 1 year. This is to prevent farmers acquiring direct contact with the land owners to continue with them.
- 3. They will be given fixed wages and they need not bear any losses but will also not get any part of the profit
- 4. They will be assigned to nearby lands based on the location where they live

Landowners

- 1. They are provided with three major services
- 2. The first service includes land analysis which includes two sub services
 - Crop suggestion
 - Live tracking

There are four plans which the users can go with according to their Requirement

- 1 week- only includes crop suggestion
- 6 month includes 1 time crop suggestion and live tracking for six months
- 1 year includes 2 time crop suggestion for two rounds of crop production and live tracking for 1 year

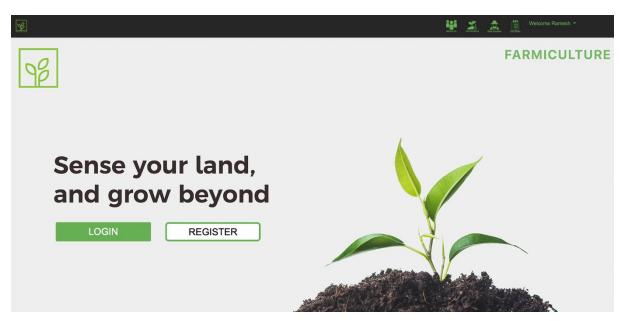
The subscription model depends upon the area of the land given for analysis

- 3. The second service is Hiring farmers:- When customers subscribe to this service they will be provided with a list of farmers present near their land location and will be segregated according to their experience, age and health condition. The final price for payment is only based on the number of farmers chosen and their demand for salary.
- 4. The third service is providing Landowners with management services where the management of the production will be taken

care of by us. We will be setting up supervisors to supervise and manage the working and cultivation taking place on their land. The farmers can either be provided by the landowners if he has them or he can use our other service to hire farmers. We will be putting the budget of production and will be providing it to the customer and they will pay for it. The subscription model depends on the duration of the crop, the area of the land and type of crop grown. This service also includes 1 time land analysis as one of its features and the budget will include these.

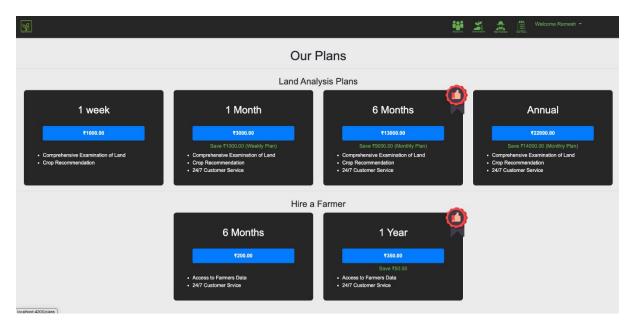
FARMICULTURE WEBSITE

Home page



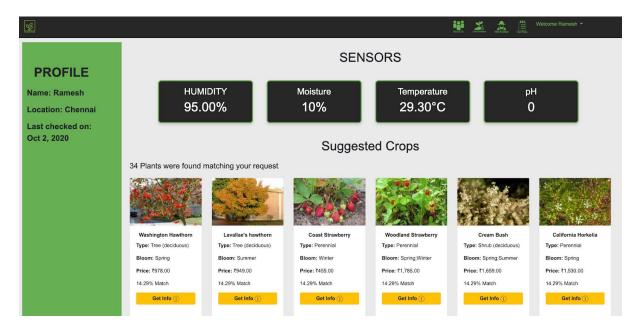
Landowners can create an account and browse our plans

OUR PLANS



The user can check out the prices of our services and choose them based on their need.

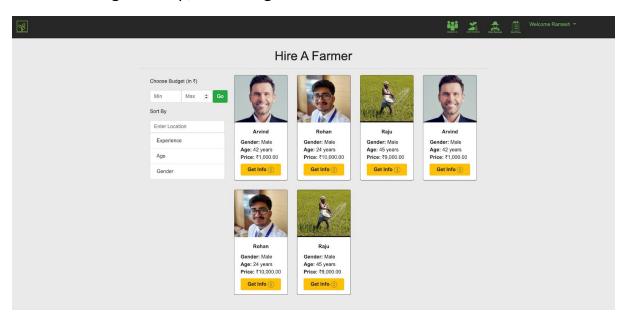
After the user chooses a package, a comprehensive land examination of his property is done. Using the data collected here, the AI model suggests the crops based on the conditions. Real time data from the sensors is being displayed here.



On selecting a crop, it's info is displayed.



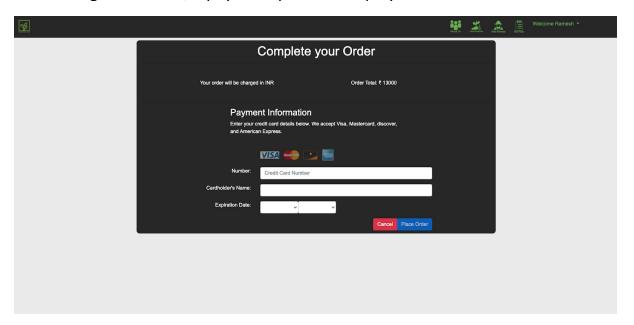
After selecting the crop, the user gets to hire a farmer.



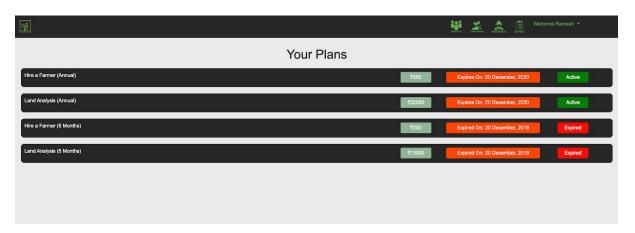
Farmer info



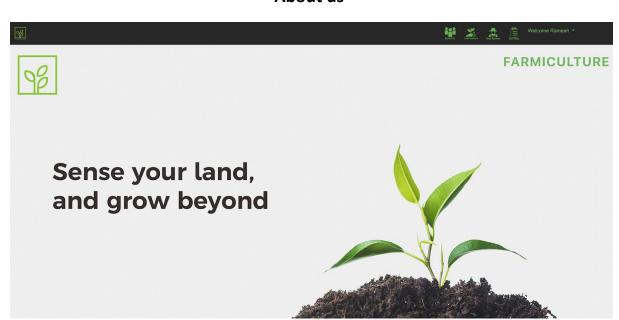
After hiring the farmer, a payment portal is displayed.



The user can access data of his/her current and expired subscriptions at all times



About us



About Us

At Farmiculture, we aim to help entrepreneurs make the most of their land using scientific analysis techniques and present them with all the technical help they need to manage their land. Our use of state of the art on-site equipment, combined with an Al model to predict ideal crops is all aimed at using data and technology to help consumers grow their yield. We also believe in giving back to society. As our contribution, we help farmers find employment. For every billing of our commercial service, we devote a part of the profit generated to maintain a database of farmers unemployed from the region in question and its surroundings. We then use this collected information to generate suggestions for our consumers, to help them create a workforce for the land they have registered with us.

For Society

Agriculture is the most important sector of the country's economy, and our farmers are it's most important entity. Farmers are the comerstone of the Farmiculture Project. Keeping in mind the many precarious conditions they are up against, this service was created to break shackles and engineer solutions. In an attempt to country the existing, diminishing culture of non-land owning farmers not finding work, we provide an efficient solution that benefits everyone involved.



"This is the future of agriculture." - Madhur Padavala



The Consumer's Persprective

At Farmiculture, it is our passion to achieve the best of results. We truly believe in the power of technology, and it is our mission to empower entrepreneurs and landowners to achieve the very best. From the moment your land is registered with us, you can sit back and relax, as our engineering team first deploys the automation that comprehensively surveys the terrain. This data is then fed into our advanced AI model, which is trained to deliver precise suggestions to consumers on the most ideal crops. We've tried to make this process as smooth as possible, from start to finish, with this website, an all-in-one workstation that caters to all your needs.

