

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 AI 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.