



CULTIVÓ

# The Team



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# Problem Statement



## Language Barrier

To create a website for farmers in local languages in order to avoid language barrier



## All-in-One Website

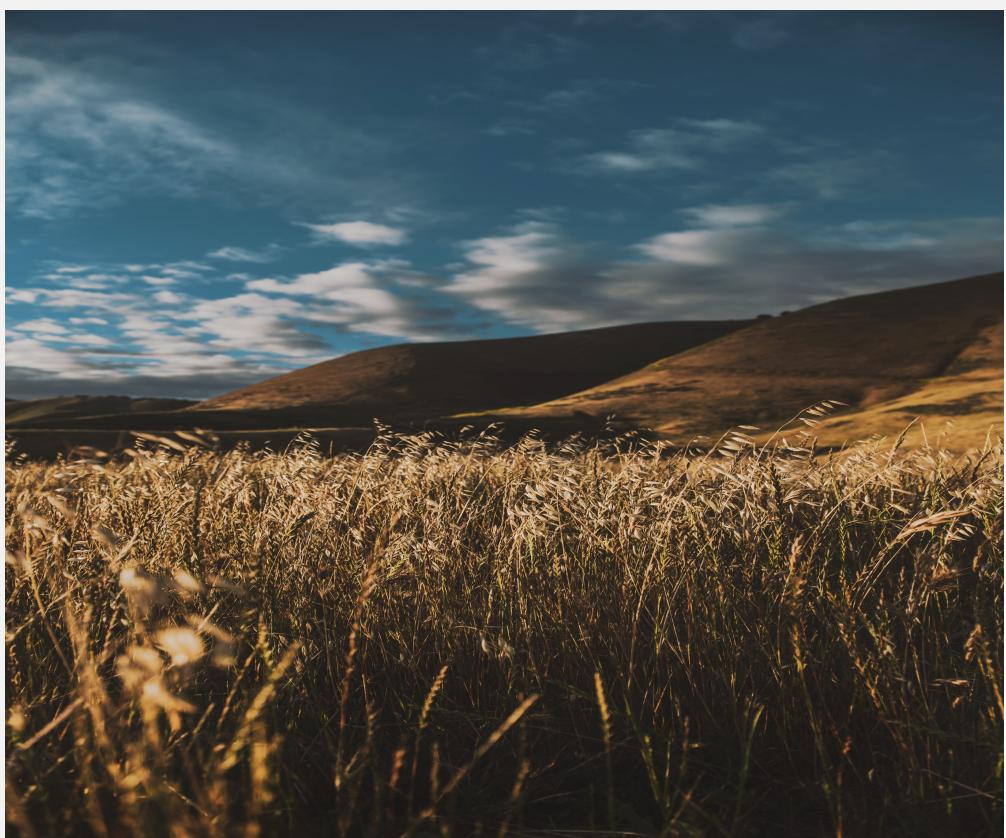
Government needs a website for the which provides instructions and information about seasonal and suitable crops, seeds, farming tools & instruments etc.



## Research

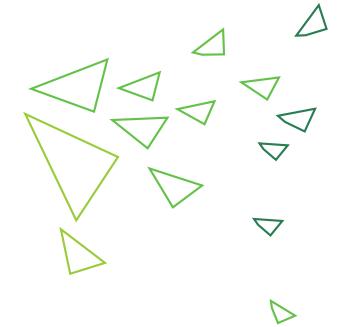
Farmers can also learn about crops in other parts of India as well.





# Motivation

- Traditional farming has been, is, and will continue in the future to be a manual and labor-intensive industry. With technologies such as the Internet of Things (IoT), Big data & Analytics, Artificial Intelligence (AI) and Machine Learning (ML) we intend to make it “SMART FARMING”.
- To improve the quality and quantity of agriculture products by making them “connected” and “intelligent” through “SMART FARMING”.
- And Making farmers more aware of recent technologies which are less labor-intensive.





## Abstract



Farmer's Portal is an endeavor in this direction to create one stop shop for meeting all informational needs relating to Agriculture.



In the Farmer's Portal, a farmer will be able to get all relevant information on specific subjects around his village/block /district or state.



It also helps in connecting farmers across India and help them learn more about crops and land from various parts.



# Objective



## Information

In this Website, Users will be able to get all relevant information on specific subjects like seasonal crops around his village/block /district/ state.



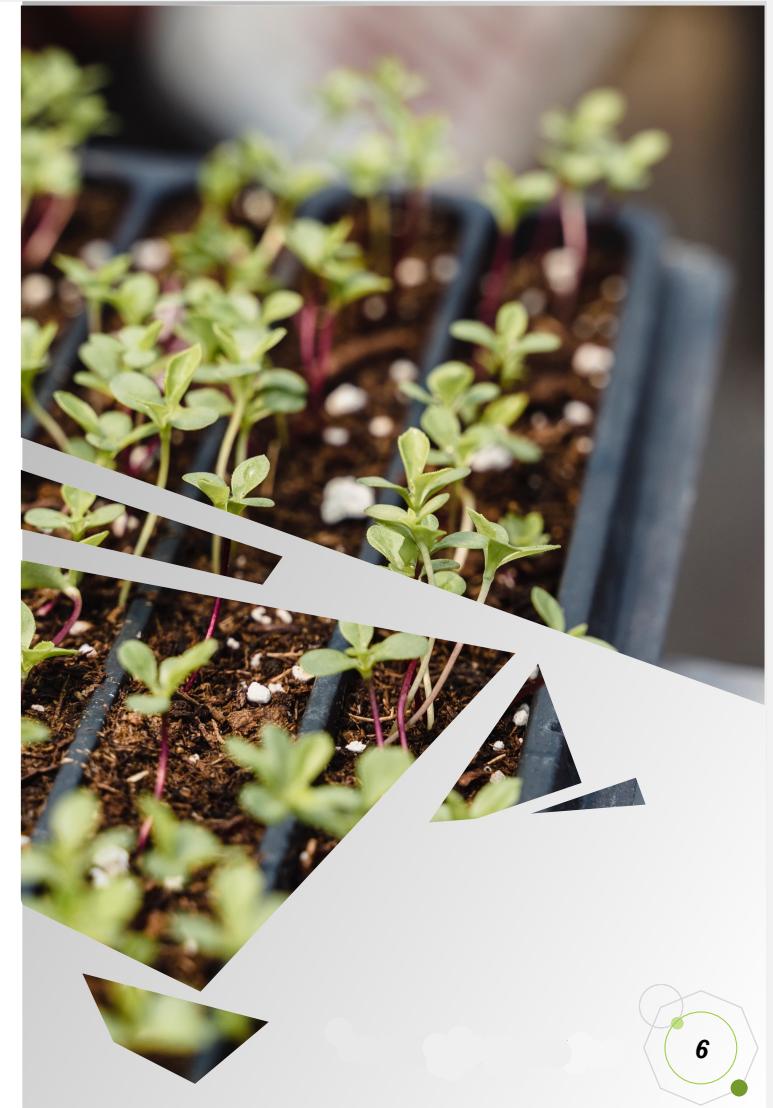
## Registration

Users can register, and information will be delivered in the form of SMS and audio/video in the language he or she understands.

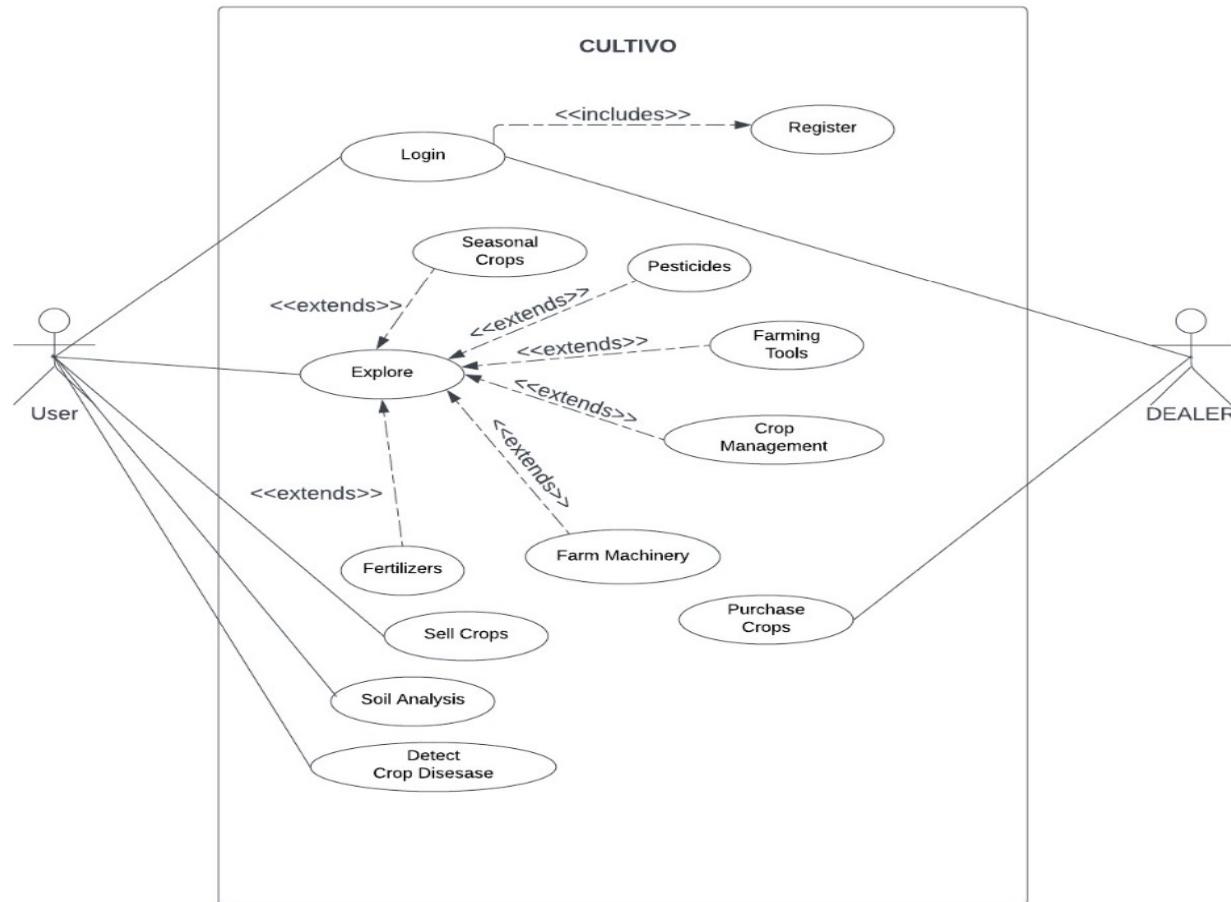


## Community Post

Users will also be able to ask specific queries through Community post specially developed for the purpose. And can also give us their valuable feedback using Feedback option.



# Use Case Diagram



# Technologies Used



**HTML, CSS**



**JS**



**FLASK**



**PYTHON**

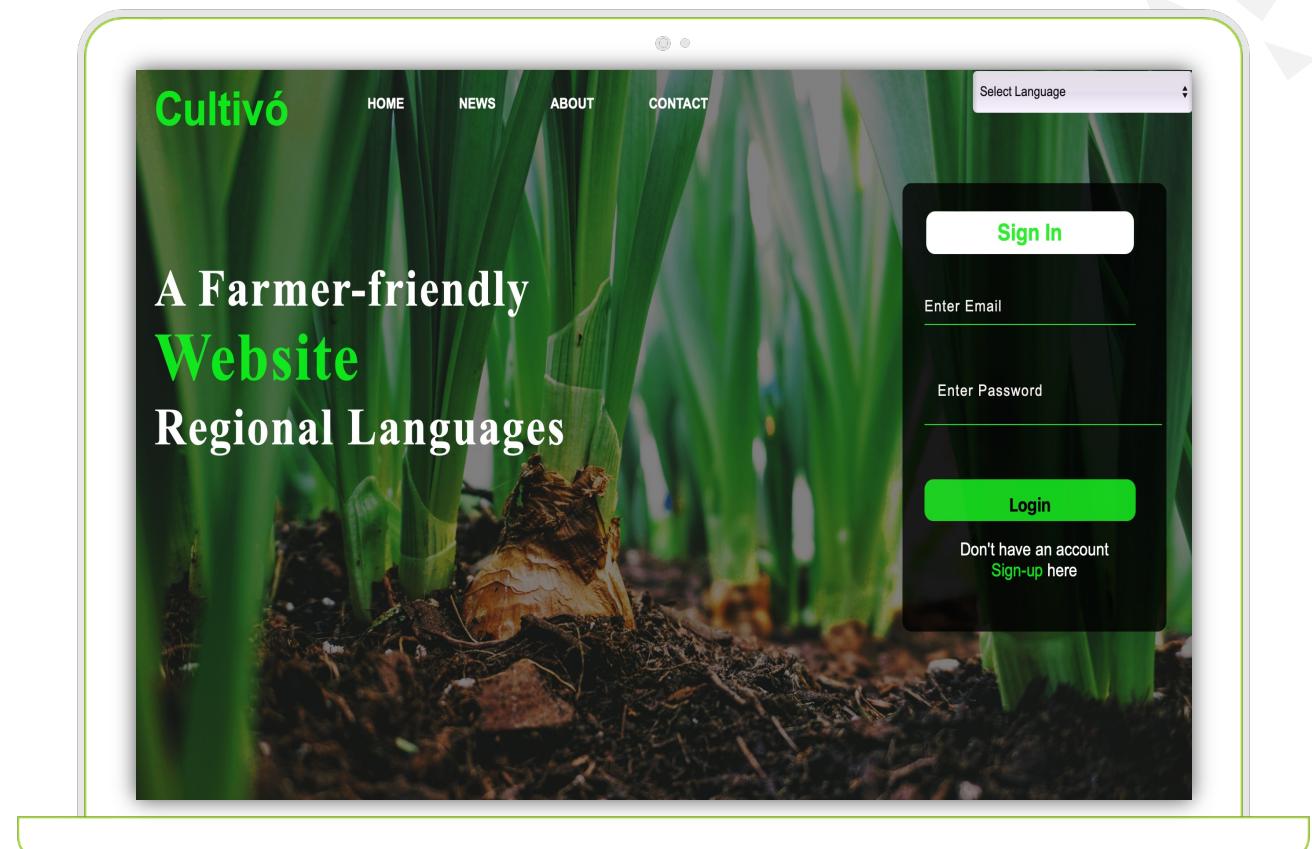


**SQL**



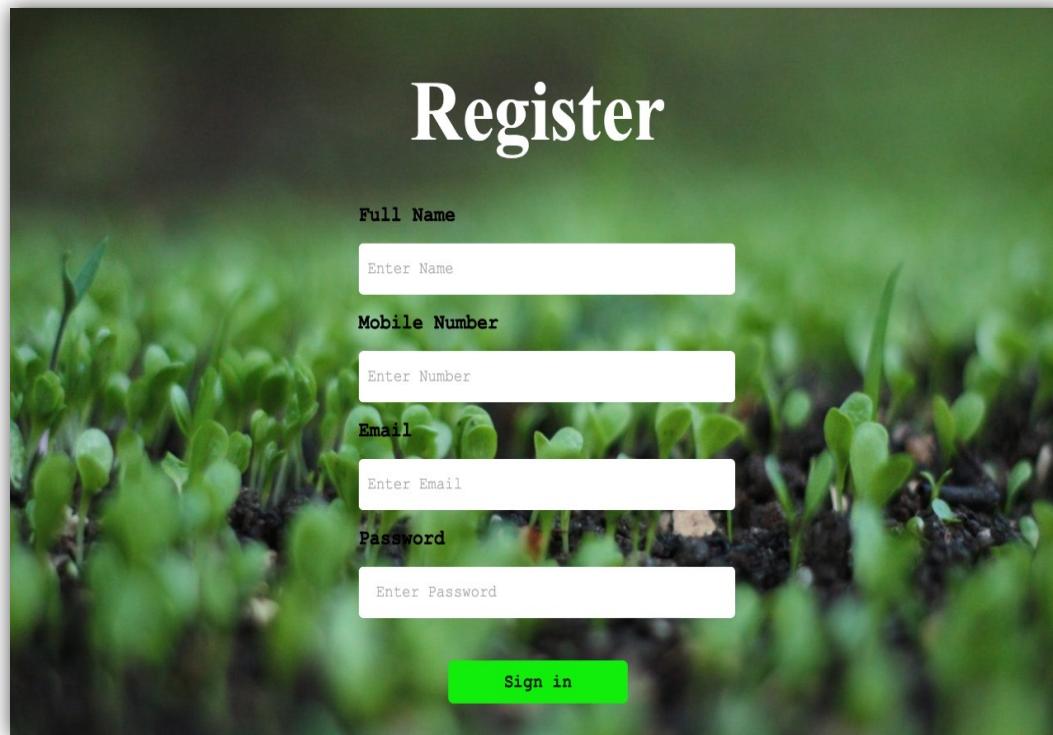
# Outputs

Homepage



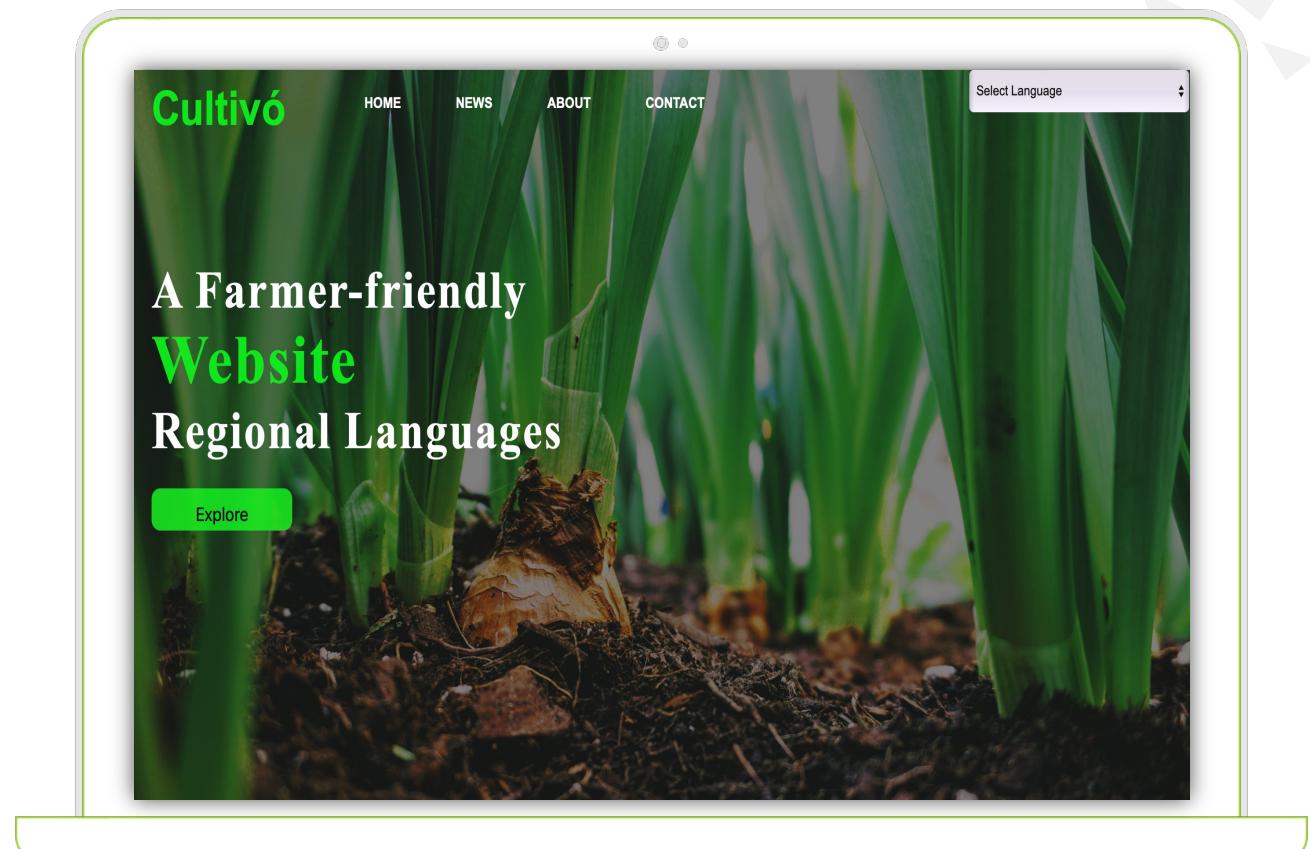
# Outputs

Register



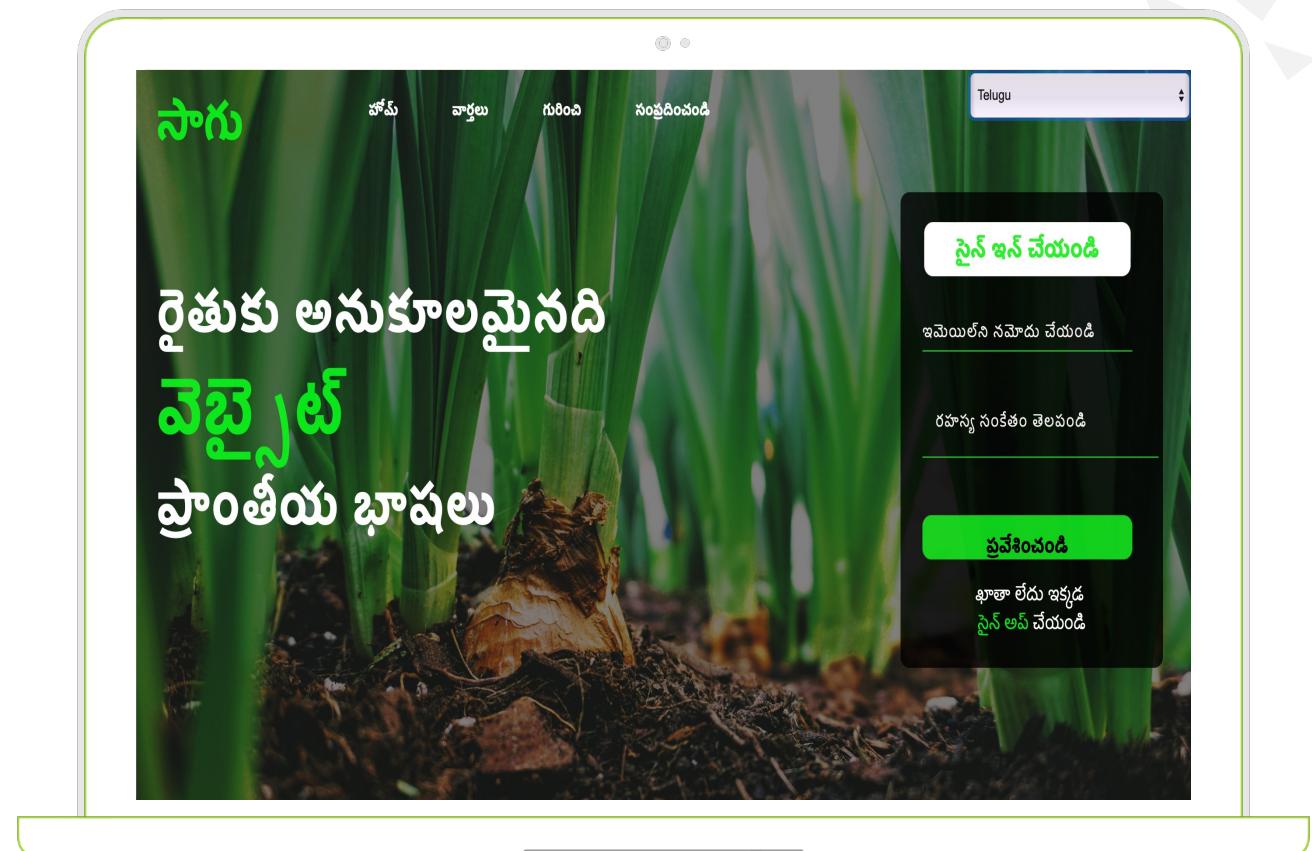
# Outputs

After Login



# Outputs

Translation



# Outputs

## About



Farming has been the backbone of our country. More than 42 percent in India are employed directly or farming related activities. Empowering our farmers will effectively help our economy. This website will have instructions and information about seasonal and suitable crops, seeds, farming tools & instruments etc.

# Outputs

News

Cultivo News



Hyderabad: Leads Connect Services, ICRISAT sign MoU to develop Sustainable Solutions for Agriculture Agricultural Legal Aid Clinic



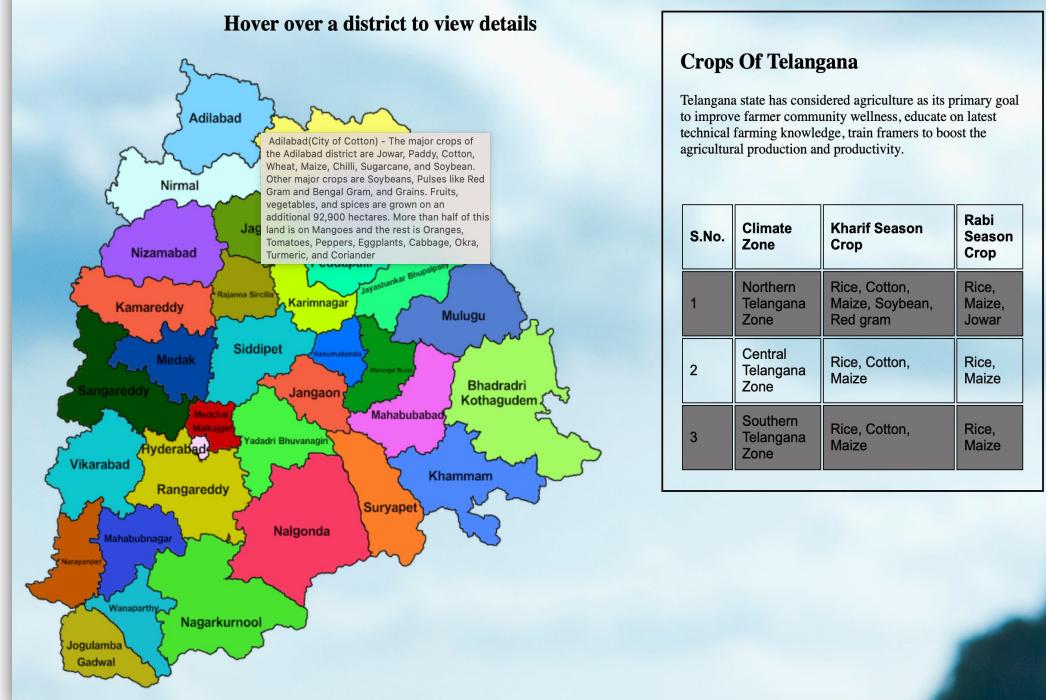
# Outputs

Explore



# Outputs

## Telangana



# Outputs

## Crop Management

**Crop Management**

- Soil Preparation**  
The soil is loosened and tilted before the seeds are sown. Ploughs are used for the purpose. If the soil contains big lumps, they are broken with the help of a hoe. This process aerates the soil so that the roots breathe easily. The nutrients and minerals get properly mixed with the soil and come at the top. Thus, the fertility of the soil increases and is fit for plantation.
- Sowing Of Seeds**
- Addition Of Manures And Fertilizers**
- Irrigation**
- Protection from Weeds**
- Harvesting**
- Storage**

# Disease Detection

Built with  anvil

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## Mango Plant Disease Identification

Please Run Follow the Colab Notebook to run the Backend Server <https://colab.research.google.com/drive/1sRTVwbX3lvU1826SCLnkPVzH1lwFhnYE?usp=sharing>

 UPLOAD

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## Mango Plant Disease Identification

Please Run Follow the Colab Notebook to run the Backend Server <https://colab.research.google.com/drive/1sRTVwbX3lvU1826SCLnkPVzH1lwFhnYE?usp=sharing>

 1 FILE SELECTED



**Diseased**

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## Mango Plant Disease Identification

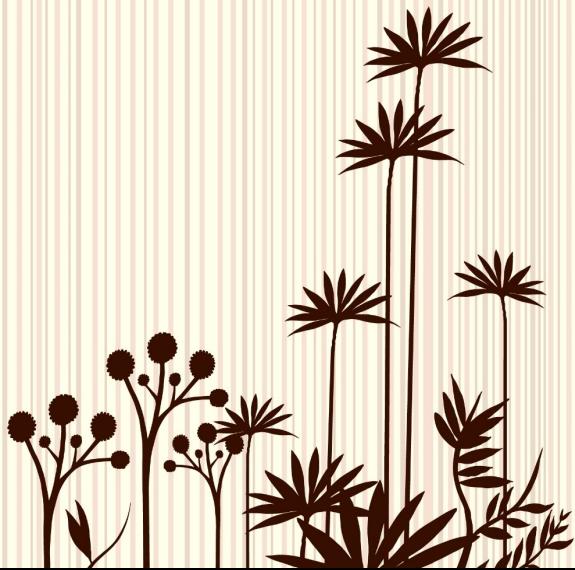
Please Run Follow the Colab Notebook to run the Backend Server <https://colab.research.google.com/drive/1sRTVwbX3lvU1826SCLnkPVzH1lwFhnYE?usp=sharing>

 1 FILE SELECTED



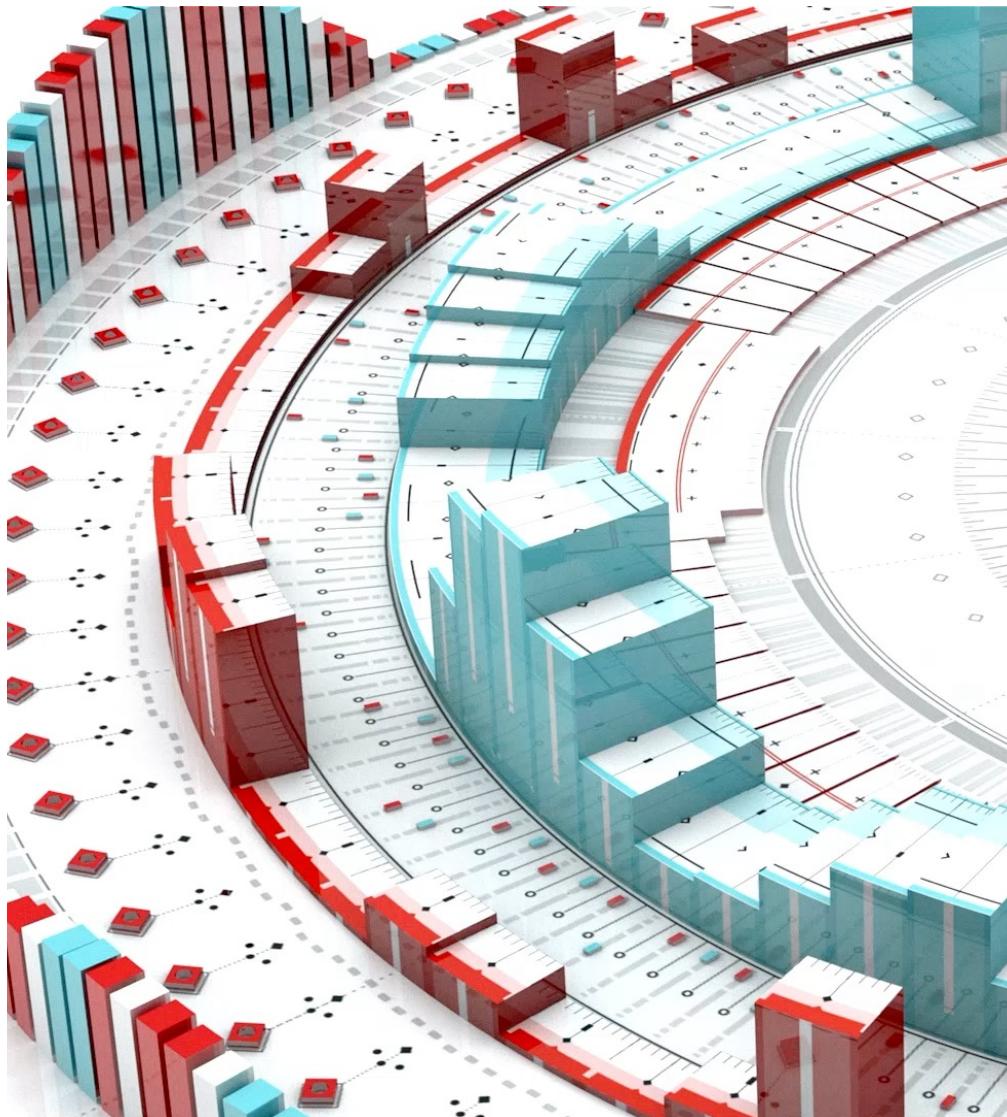
**Healthy**





# Summary

- As Information is everywhere, but not in most of the languages. So, we tried to overcome that barrier.
- In this project, we tried our level best to build a language friendly website.
- To create an environment where farmers can sell their harvest and to search for other requirements. And can chat with each other.



## Future Scope

- ❖ To suggest natural and chemical pesticides in eradicating the disease detected by the Algorithm.
- ❖ To develop a mobile application for the same website
- ❖ To suggest the nearest farmer to the users based on their present location to buy the required goods.

# References



Thank You

