



Krishi Mitra

AGRICULTURE COGNIZANCE





To produce Rabi, Kharif and fruits for Sri Ganganagar district, the knowledge-oriented mobile app Krishi Mitra is being developed.

Krishi Mitra app can be used by farmers, agricultural officials, agricultural scientists, agricultural supervisors and students of agricultural faculty to increase general information related to agriculture.

- DISTRICT UNIT SRI GANGANAGAR (RAJASTHAN)



Home Screen /Dashboard

User can view list of crop categories on this screen. He/she can tap on any category to go further.

There is a camera icon on AppBar. One can use fruit identifier (Machine learned to identify 36 fruits)

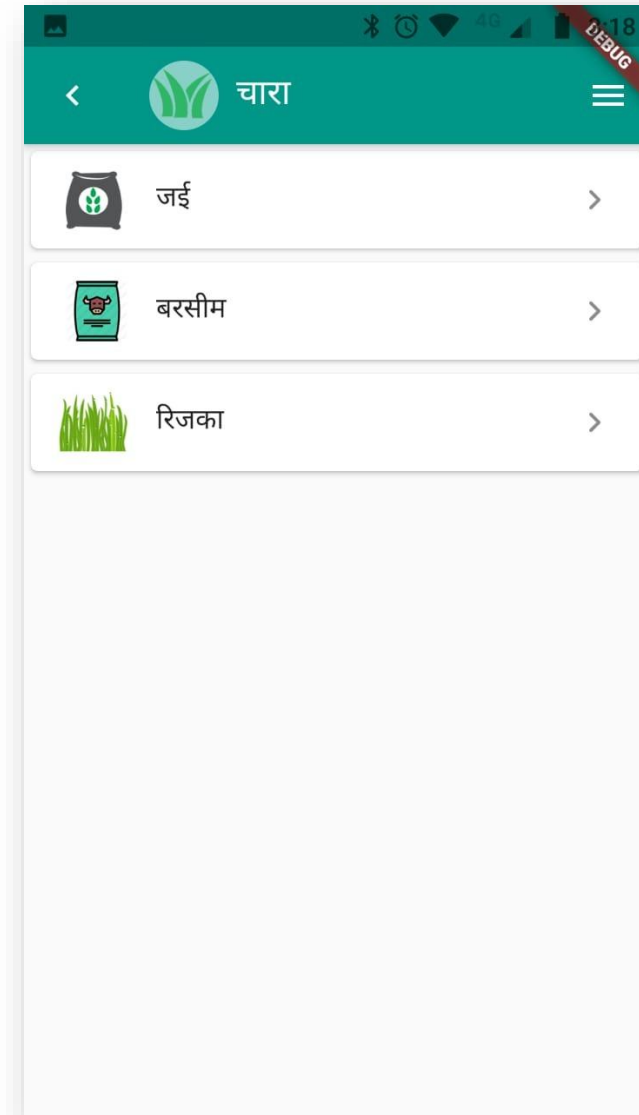




Crop List

This screen shows list of crops of selected category from dashboard.

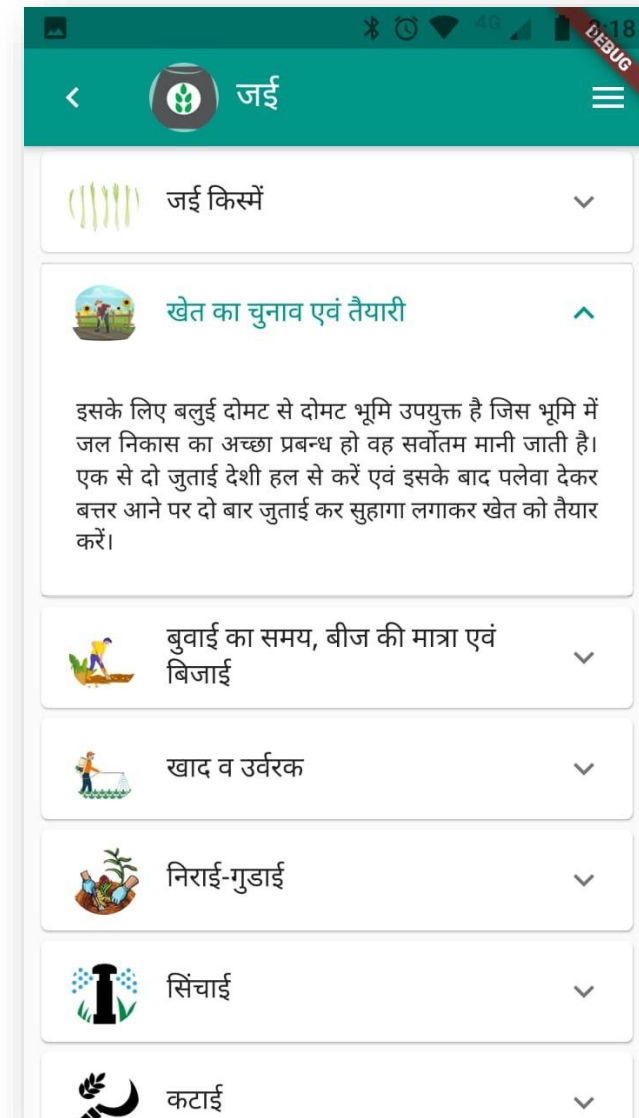
User can forward to details/instruction of crop selected by him/her by tapping on crop name tile.





Details /Instructions

This screen shows details of selected crop with expandable list showing title and expanded to show details after tapping on title.

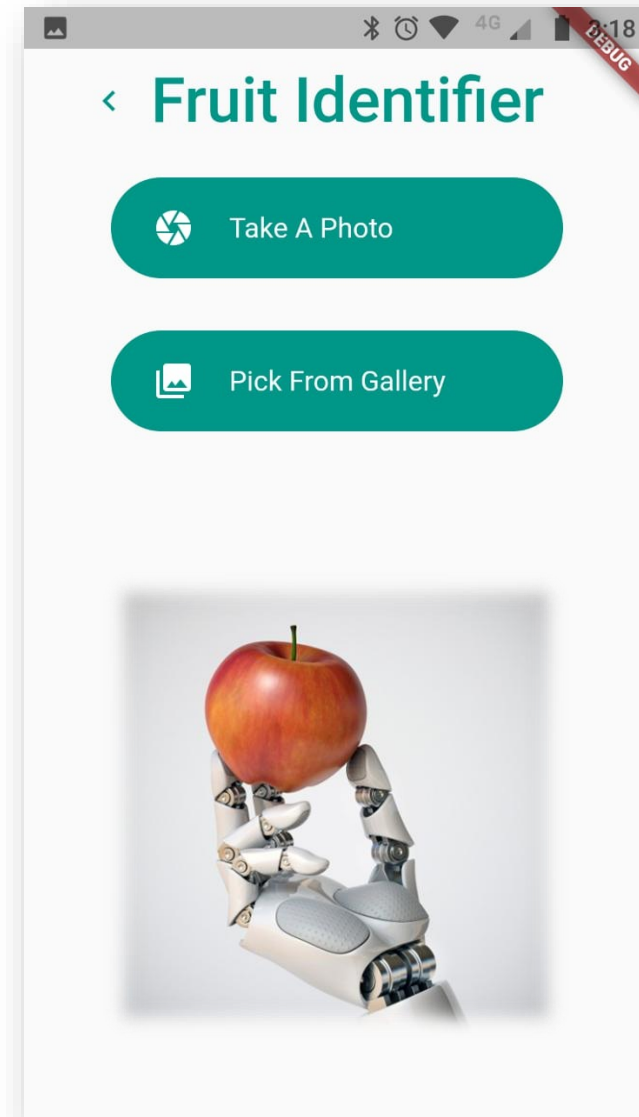




Fruit Identifier

This screen analyze a photo taken by camera or chosen from mobile gallery and display name of fruit identified by machine learned model.

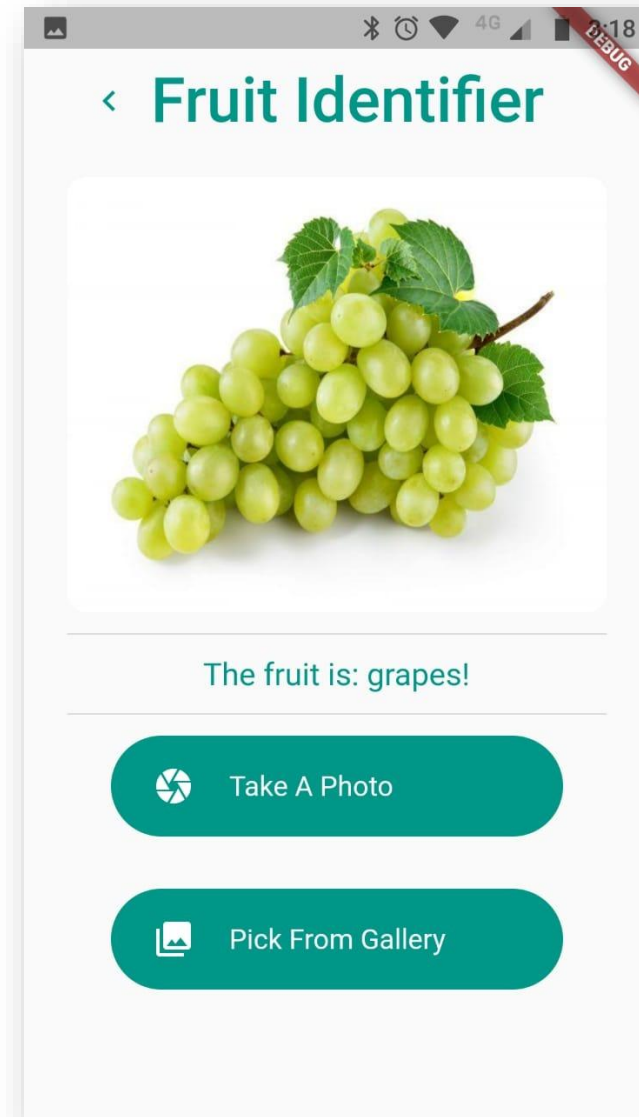
Currently model trained to identify 36 fruits we can train it to identify more fruits and detect disease by photos of leaf, seed and fruit.





Identified Fruit

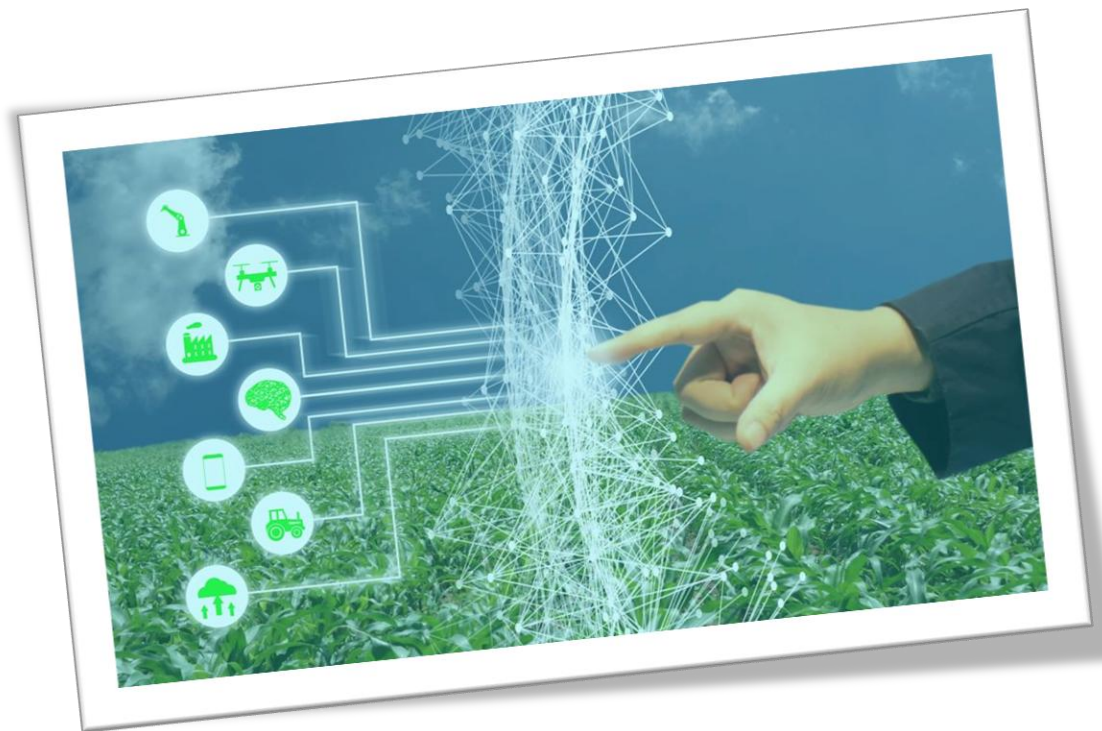
After successful analyzation of photo, photo with name of fruit shows.



What's Next

We will be trying hard to develop machine learning for:

- ❖ Plant Disease Detection
- ❖ Seed & Fruit Quality Checker
- ❖ Soil Health Detector





Thank You

Paramjeet Singh
Senior System
Analyst/Scientist –C
NIC, Sri Ganganagar



District unit Sri Ganganagar (Rajasthan)