

## AGRICULTURAL APP

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### ABSTRACT

In current agricultural scenario, the main aim of agricultural experts to provide proper up-to-date information to the farmers so that they can efficiently utilize the given information to improve their agricultural practices and thereby increase the production. The huge amount of agricultural data is generated from the different sources which have to be handled efficiently. By the use of ICT we can handle this data generated from different sources and can build knowledge based system to provide experts advices to the farmers.

### INTRODUCTION

Agriculture is the main source of income in India over 80% of population is dependent on it .This app is focused on making a social network of farmers so that they can connect with each other and help each other. App includes five features-

**Profile:** Maintain your Profile by adding Name, pin Code and uploading Photo (Do this first).For English mode just tap on the action bar overflow option menu

**Weather:** provides latest information about weather (Just change the pin code by tapping on setting in option menu of action bar)

**Ask Expert:** Lets you to post any Query with "Query title" and "Query description" .Click post to post the query and Click Answer to answer already posted queries by commenting on query posted)

**Add Measure:** Lets you to maintain your field on the Google maps .Enter width defines width of filed in case farmer is doing spraying on the crops (to make sure that there should be no wastage of spray), this feature lets you to track you location and mark it with red colour so that ,you will not have to spray same location again. Just tap on start and stop to track. "IT calculates Area of field which is already been sprayed".

**Crop Info:** Provides Information about Crops or any related agriculture information fetching data from data.govt.in.

### Hardware Requirements

- Android Mobile Device

### Software Requirements

- Operating system: Windows 7
- Front end : Android

### Advantages

- Wireless technology.
- Farmers are easy to find out information about crops
- Increase quality of product
- Pest management and control

### Objectives

- Crop acreage estimation.
- Crop modeling for yield and production forecast/estimation.
- Crop and orchard monitoring.

### Output:



### CONCLUSION

After surveying and analysing all the applications available, we designed our own Android application Kheti. It displays the Crop Information and Weather forecast of the coming week. In future, the other aspects like management and advisory will also be added to ensure that application presents a complete solution to all the discussed problem.

This Agri application will be useful in Agriculture System to suggest Farmers to select a crop for cultivation mapping using different ground parameters crop production, methods, fertilizer, technology, tools. As this system more helpful to increase productivity of crops and indirectly to increase GDP of India reduce poverty. As farmers adopt new techniques and differences in productivity arise, the more productive farmers benefit from an increase in their welfare.

Virtual mouse, virtual keyboard and what not? Our body may be turned in to an input device

### BIBLIOGRAPHY

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Referred books-Java for Android development, Android application development, Professional android etc.