

# Implementation of farmers buddy

## **Abstract:**

It is the agriculture portal which provides solutions to small farmers and agriculture students of India. It also helps them make decisions on mandi/market and best prices. NGOs are trying to spread messages to make agriculture more eco-friendly through this site. It also provides soil analysis for all regions and suggestions on which fertilizers to use, where and how much? And which crops to be grown, where and in which season they should be used? Information about major crop markets and their current price for the crop will be published daily. This will be very useful for the farmers and the agricultural students.

## **Purpose of the Project:**

It is an open discussion portal used for agricultural students and farmers. Not only these users any general public can use this system for knowing the information various crops, and the usage of fertilizers to those crops and in which soil these crops give more yield and the climatic conditions for those crops.

Training is requested by the students, general public. These trainings are scheduled by agricultural officer. Information about major crop markets and their current price for the crop will be published daily.

Current prices of the markets are updated daily by the NGO. It gives information regarding all the states in India.

## **Existing System:**

Complexity in managing the data related to the agriculture products, soils, fertilizers, mandi/market details.

## **Problems in existing system:**

- Lack of security.

- This system does not provide category wise classifications of products.
- Inefficiency in querying details.
- Periodic Report generation takes lot of time.

### **Proposed system:**

The development of this new system contains the following activities, which try to automate the entire process keeping in the view of database integration approach.

- Reduce complexity in managing the data related to the agriculture products, soils, fertilizers, mandi/market details.
- Current system provides different access levels for security.
- Rich user interface is provided in order to interact with application.
- Reports are generated dynamically on a periodic basis.
- Efficiency in querying details.
- User Queries and Answers are maintained.

### **System Requirements:**

#### **Technologies Used:**

- UML
- Java script
- J2EE
- Servlets
- JSP
- HTML