

Online Krishi Bhavan System- Agrocompanion

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ABSTRACT

Agriculture is the backbone of the Indian economy. In most of the developing countries agriculture forms the major source of national income. Thus the development of agriculture is an important factor for the development of the country as well as the for the survival of the people. Technology has improved in every aspects of human life and there is tremendous changes in the field of agriculture. So to make this technologies familiar to farmers it is necessary to have a platform like krishibhavan. The online krishi bhavan system is a platform that provide services and support to the farmers for the enhancement of agriculture. The system provide services like applying various government schemes, buying and renting machineries, selling crops and livestock products, scheduling officers for field visit and farmer assistance and disease prediction in the crops.

Existing System:

Krishi Bhavan is a government initiative in India aimed at supporting agricultural development. It operates through physical offices at the district level, serving as a hub for farmers and agricultural stakeholders. These centers provide services such as agricultural extension, information dissemination, government scheme implementation, and training. Farmers visit Krishi Bhavans for advice on crop management, pest control, and accessing subsidies. While these centers have been instrumental in rural agriculture, modernization is needed to harness technology and create an online platform for more efficient and widespread support to farmers, complementing the traditional brick-and-mortar services.

Existing similar sites:

1. <https://www.aims.kerala.gov.in/>

Proposed system:

A proposed system for Krishi Bhavan can enhance its traditional services by integrating modern technology and data-driven solutions to better support farmers and agricultural stakeholders.

Functionalities:

- Online Portal
- Marketplace Integration
- Knowledge Hub
- Government Scheme Access
- Community Engagement

- E-Marketplace for Agri-Inputs

Benefits of the proposed system:

- Enhanced Accessibility
- Efficient Information Sharing
- Market Access
- Knowledge and Capacity Building
- Time Savings

Technologies used:

Front-end: HTML/CSS/JavaScript

Back-end: PHP

Database: Mysql

Modules

1. Admin
2. Officers/Staffs
3. Farmer
4. Wholesalers

1.Admin:

- Add officers by sending email containing an autogenerated password.
- Block and unblock farmers
- View scheme details

2.Officers/Staffs

- a) Agricultural officer
 - Add schemes
 - Verify farmer documents
 - Approve or reject applications from farmers
- b) Marketing officer
 - Ensure the fair pricing of products
 - Block or unblock sellers

3.Farmer

- View schemes
- Apply for schemes
- Buy machines
- Buy or sell groceries and livestock products

4.Wholesalers

- Add machines
- Selling and renting machines
- Delete machines

Main project

- Renting machines
 - ⇒ Renting the machines
- Crop disease prediction
 - ⇒ Predict the disease of the crop using the image of the defected part.
- Appointment Scheduling
 - ⇒ Scheduling the officers to visit the fields and verify the land.