

CropElevate

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ABSTRACT

CropElevate

It is a management project that mainly aims to develop a platform that facilitates the exchange of crops to the farmers. Here the farmers can get the best crop that provides the best productivity within a limited period of time. The farmers of the different Wards who are interested in farming can register and the crops are given only to the farmers who met certain criteria that are given. The members can send notifications to the Secretary and the secretary can select them based on the priority. The crops are given to the farmers by the Panchayath Secretary only after the proper approval from the Ward Member.

- Farmer Registration: Farmers who are interested can create their user accounts on the platform.
- Income Analysis and Verification: The ward Member can access farmer income details and can analyse and verify the accuracy of the provided information.
- User Dashboard: Each user the Panchayath Secretary, Ward Member, and Farmer has a personalized dashboard displaying relevant information.
- Crop Recommendation System: The platform offers a personalized crop recommendation system, using the details provided by the farmers. The Panchayath Secretary can review it and take proper decisions based on it.
- Crop Database: A comprehensive database is maintained, containing information on various crops, expected profits
- Mobile Compatibility: The platform is designed to be accessible and user-friendly across different devices including mobile phones.

Mainly help the farmers to get the best crop for their field that give the best productivity in a limited period of time.

Modules

Farmer

- Registration
- Login
- Manage Profile
- Notifications
- Crop Selection
- Payment
- Recommendation to member

Secretary (Admin)

- Login
- Manage Members
- Notifications
- Manage Meetings
- Reports
- Digital Notice board

Member

- Login
- Manage Profile
- Notifications
- Verify Framer

The proposed project aims to empower farmers by providing them the personalized crop recommendation. The involvement of the Panchayath Secretary and the Ward Members ensures the accuracy, analysis, and verification of data. By leveraging technology and community collaboration, the platform strives to improve agricultural decision-making and facilitate a stronger connection between farmers and local governance bodies.

Seminar Topic: Crop Yield Prediction