

FARM SOLUTION

Integrated Farm management

Abstract

Information technology is important in our lives because it helps to deal with every day's dynamic things. Technology offers various tools to boost development and to exchange information. Both these things are the objective of IT to make tasks easier and to solve many problems. The common farmer is in a difficult position to buy different softwares and corresponding hardwares for even the basic functionalities. This in turn increases the complexity and difficulty to maintain each device and log record cumbersome. In this project, users can include other users as well as properties, farms, products, employees and gadgets. Gadget status can be seen in real-time and decisions can also be automated to meet user needs such as irrigation, lights inside and outside farms, water change for controlled growing environment and all the real time status of production environment and states. The customer can add any number of properties, farms with many category such as paddy field with associated sensors, warehouses, and custom categories and features. The primary motive of this project is to integrate farm activities to a single ecommerce (purchase and sale, delivery, feedback and reviews, order tracking), automation web platform. In a full stack web app, we include admin, staff, and customer and integrate product sales, farm management (live stock), as well as farm automation using IoT. The user can add several other users with roles like farm managers, staff and incorporate their attendance and salary. Sensors play an important role in this project, where user can add sensors and evaluate efficiency and performance.

Completed functions

Home page

Login and registration with client side and server-side validation ,password encryption

Farmer

Buyer

Digital market

Cart

Farmer Blog with blogfeedback like & comment

Product viewWith Product review and stock Search - wildcard,filter category and subcategories

Profile view

Error page

Message page

Email Verification - not complete

Preloader