**BE PROJECT SYNOPSIS ON**

**E-MANDI**

## SUBMITTED BY

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## 2023 -2024

**Group Id :**

**Project Title: E-Mandi**

**Project Option: Self sponsored**

**Sponsorship Details: NA**

**Project Domain : Web App**

**Literature review:**

**Advantages :**

1. Seller or Farmer can sell their product online with ease.
2. Farmer/Seller will get the exact price from the buyer, which leads to good profit.
3. Retailer will get all the products at one place and can purchase a product of their choice.
4. This system reduces the search time to a great extent.
5. The system allows placing order for more than one item.

**Problem Statement:**

A platform on which farmers can sell their produce by farming and buyers will buy that produce with high profit for both by cutting middleman here.

**Motivation:**

Our motivation /aim with this platform to convert the offline market of selling and buying of farmers crop to digital for the ease of farmers and common people. This will also make common people to buy vegies and fruits at very low price.

**objectives:**

Farmers enter this system and upload their product details with images and details of shipping, quality and etc., user view this product and book their order.This project helps the crew who conduct events in villages. In this Project we are providing an interface to the teams to store their data in order to conduct awareness events efficiently. By using Agriculture Assist project user can make a schedule for the coming events and can arrange data needed in the events such as data regarding crops, presentation on seasonal crops.Before going to any program in certain village they can be able to cross check the stuff needed in that event at any point of time.

So our project is suggested as a web application because so many teams around the India can be able to work on this area.

**scope of the project:**

* This application converts whole offline manual crop market system to online. Farmers can use this facility and can learn how it is possible and how they can use e-farming to sell their products. This application will act as unique and secure way to perform agro-marketing. The system allows farmers to sell their stock directly as a direct supplier throughout the country without any middlemen so that, farmer earns optimum rates for his stock and also the customer gets it at lowered costs. This will also eliminate the food grains mafia that stores these products in own warehouses in order to increase demand and thus rates of the products, so that it can later be sold at higher profits.
* This application converts whole offline manual agriculture market system to online.

**Facilities required for proposed work:**

**Software Requirements :-**

FrontEnd : HTML, CSS, Javascript, Bootstrap.

BackEnd : PHP, Mysql.

**Hardware Requirements :-**

Processor : Intel 3

Installed memory (RAM) : 4 GB

Hard Disk : 256GB

Operating System : Windows 7,8,10,11 - 64 bit

**Environment/tools :-**

VS Code, Google gallery, xampp-win32-5.5.19-0-VC11, Mysql community server 8.1.0

**Human Efforts:-** 180hrs.

**System overview- proposed system and expected system.**

* System is providing platform such as web app where in farmer can sell his crop products at different layer of marketing chain (market, merchant or end user) with multiple option. This platform will help farmers to find out nearest markets, its current stock details and its demand for particular product within less time & with less effort. This analysis will thereby help to determine which market will be more profitable for his crop/product.
* This application converts whole offline manual crop market system to online.

**Abstract :**

For several years, farmers in India have had little liberty in choosing markets and purchasers for their produce. All states in the country, except three, degree that marketing and selling of farm produce must be directed through state-owned mandis, retail markets where mediators (middlemen) crush farmers to increase margins. According to research, mediators have become dominating buyers of the agricultural market, resulting them to take control over the plight of the farmers and collecting all the profits. The farmers work day and night expecting a good yield. They use a lot of financial resources lending money and buying fertilizers, seeds etc. So, they have the right to enjoy every rupee gained on their corp. In this context, we propose a system which brings farmers close to the retailers cutting the middlemen. The middlemen usually take up to 70% of the profits of farmers leaving them helpless. Our system consists of a mobile or web application which will serve as a platform for farmer the growers and retailers or customers to sell and buy their farm products. This system aims at giving a profitable price to farmers to their farm products cutting the middlemen. This allows the retailers or the customers to buy products from the farmers at a lower than the normal price.

This system is used to farmer and user. Farmer uploads their product with details and buyers view these details and book that product with in a time.

**Applications of the project:**

1. **Buyers will get vegies, crop, fruits at their home.**
2. **Farmers can sell their produce from anywhere.**

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**References:**

# 1.Internet-of-Things (IoT)-Based Smart Agriculture: Toward Making the Fields Talk

https://ieeexplore.ieee.org/document/8784034

1. T. Anagnostopoulos, A. Zaslavsky, A. Medvedev, S. Khoruzhnikov, “Top-k Query based Dynamic Scheduling for IoT-enabled Smart City Waste Collection,” In Proc. of 41 the 16th IEEE International Conference on Mobile Data Management (MDM 2015), Pittsburgh, US.

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3.A Handbook of AGRICULTURE: Prof. S.Dutt