E- CROP MARKET

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**Abstract**

As the title describes itself that this project is all about a website that allows farmers to sell their crops online and allows vendors to bid for different types of crops online at their finger tips.

The problem is that it is difficult for farmers to sell their crops as they have to transport their crops to the site and then wait for their turn in excessive heat the whole day and payment issues are also there.

It is also difficult for venders to bid for the crops in the heat and create the proper slip for every customer.

The expected outcome of the website is that farmers and venders both can easily perform their tasks of selling and bidding of crops.

**1. Introduction**

Since the internet has become very powerful place to buy and sell goods, E- Crop Market is a good option for buying and selling crops online.

An E- Crop Market is a web application that facilitates venders to buy crops just like they buy at the mandi in person.

Also this application allows farmers to sell their crops online without travelling anywhere and stand in heat.

This application can automatically generate the receipts for both sides after the completion of the bidding and allows vendors to track the records of their purchases.

**2. Problem Domain**

The problem arises when farmers have to transport their crops for selling and then wait for their turn to participate in bidding the whole day in extreme heat and after that they have to wait for the receipt by which they can get the money.This process takes a whole day to complete and sometimes , farmers have to wait 2-3 days to get their money.

Also the vendors have to go the site for bidding and perform the whole task in the heat.

Then they have to generate the receipt of each crops they bought.

After that they also have to transport the crops they bought from the site to their place.

It’s a very tidious task for both the vendors and the farmers.

**3. Solution Domain**

The solution of the problem is the E- Crop Market.

E- Crop Market is a web application that facilitates venders to buy crops just like they buy at the mandi in person and allows them to keep track of all their purchases.

Also this application allows farmers to sell their crops online without travelling anywhere and stand in heat and they can easily get the appropriate price of their crops at their fingertips.

This application can automatically generate the receipts for both sides after the completion of the bidding to track the complete record.

**4. System Domain**

**Software Interfaces:**

i)Operating System: Windows 10 for its best support.

ii) Database:To save and fetch the records, MongoDB is used.

iii)React : For front end.

iv)Node.js: For Backend.

v)Heroku : For deployment

Other markup languages are:

HTML:To create webpages.

CSS:To make the webpages attractive.

Xml:For transfer and storage of data.

JavaScript:Form validation

Browser which supports HTML and JavaScript

**Hardware Interfaces:**

i)Windows 10

ii) Processor:Intel Chipset

iii)Memory:200GB

**Communication Interfaces:**

i)This project supports all types of web browsers.

ii)We are using electronic forms for registration,login and making records.

**5. Application Domain**

This project is based on real life problem that many people face in their life once or many times so it is applicable to each and every person who want to sell or buy crops.

Scope of the project:

i)The proposed system allows farmers to sell their crops online.

ii)Venders can easily bid for the crops at their fingertips.

iii)It tracks the record of each process and create a receipt according to that process.

**6. Expected Outcome**

i)This website will connect venders and farmers and vice-versa.

ii)It will save physical hardwork.

iii)It will save time and resources both.

iv)It will make easy to purchase and sell crops easily at the fingertips.

Name of Guide: Prof. Priyanka Maheshwari

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