

**MAIN PROJECT**

**TOPIC: E-FARMING**

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# **ABSTRACT**

## **TOPIC: E-Farming**

### **Abstract-**

Despite the fact that agriculture is the most common occupation in India, most farmers are from the lower classes and live in abject poverty. Advanced techniques and automated machines that are taking the world to new heights are lagging behind when it comes to agriculture. Either lack of awareness of advanced equipment or non-availability lead to poverty in agriculture. Even after all the hard work and production of the farmers, in today's market, the farmers are cheated by the agents, leading to poverty. Where E-Farm may automate everything, by making it easy to serve as the best solution to all problems. E-Farm will serve as a way for farmers to sell their products across the country with just some basic knowledge of how to use websites.

### **MODULE DESCRIPTION:**

#### ➤ **User Classes and Characteristics**

- **Admin:**

Admin must have a login into this system. He has overall control of the system. Admin can manage users, and products of the site by defining category with particular subcategory. And also, he can view the feedbacks of the buyers with the details of the farmer that they purchased the product on the site.

- **Buyer:**

Buyers can sign-up into site by entering the email-id and password after the registration. And when they have signed in on the site, they will be having product view with cart management which leads them to payment and order summary evaluation of their purchased products, and when the product delivered, they can write their comments about it to the administrator of the site by uploading their order summary.

- **Farmer:**

The farmer can fill the registration form and get his credentials. After that he have to upload the id-proof of him/her in order to add the products that he wants to sell on the website. And the farmer will be one who is fixing the rates of the products that he adding on the site as per quantity. Also, he can have a view and update action on the products that he added.

**Admin:**

- Login
- Manage users
- Manage products
- View feedback

**Farmer:**

- Register
- Login
- Manage profile
- Upload credentials
- Manage products
- Make product request
- View order requests
- Report generation

**Buyer:**

- Register
- Login
- Manage profile
- Product View
- Cart management
- Purchase product
- Payment
- Feedback
- Order summary view

## **System Study:**

### **EXISTING SYSTEM**

There is no computerised system for farmers to market their produce. Currently, a farmer goes to the nearest market and hands over his product to a particular agent. The agent asks the farmer to visit the market after a certain period of time to collect the cash earned from the product sold. An agent sells the product to another agent or dealer at the market price. Every agent tries to cut their commission from it. There is no way for the farmer to learn about the trade and the exact amount their product was sold for. There is no transparency. Farmers do not have the opportunity to know the prices of the products in different markets where they can sell their products to earn high profits. Farmers are often not even aware of the schemes and compensation provided by the government. Despite all the opportunities that are banging at the door, farmers are unable to capitalise on them. The current system does not provide a means of e-learning for farmers to provide knowledge about new techniques in agriculture. So, he will not get the maximum profit through the current system.

### **PROPOSED SYSTEM**

The proposed system is designed to provide all the advantages to farmers. The proposed system is more efficient and better than the existing system. It is designed to overcome all the drawbacks of the present system and to provide a permanent solution to them. The primary aim of the new system is to speed up the transaction.