

# E-Market Yard: Online Trading Of Vegetables and Fruits

Omkar Jamdar <sup>1</sup>, Sameer Hakke <sup>2</sup>, M.Suleman Shekh <sup>3</sup>, Nitin Naikawadi<sup>4</sup>

UG Students, Department of Computer Science and Engineering, Annasaheb Dange College of Engineering and Technology, Ashta.Tal. Walwa, Dist. Sangli, Maharashtra, India <sup>1, 2, 3, 4</sup>

**ABSTRACT:** The increasing variety of organic agricultural production and public awareness toward healthy living offer opportunities in commerce for the merchandise themselves. Meanwhile, the event of knowledge technology produces innovations like electronic commerce (e-commerce), and in business, it's referred to as e-agribusiness. E-agribusiness permits organic grocery trade activities to be conducted on-line through an internet site. However, that's a brand new and rare activity in Republic of India. The aim is to investigate the factors influencing organic fruit and vegetable purchase intention through an internet site supported technology perspective and client behavior. The pandemic has brought new risks that threaten livelihoods likewise as food security. Also, these farmers cannot get the most effective value for his or her product. Typically individuals don't simply get the vegetables that they need. This method are the backbone that connects farmers, transportation vehicle house owners, and customers. All users can have totally different profiles during a system supported their roles. Farmers are able to sell their merchandise with one go. The transport vehicle owner are able to take delivery orders. Customers are often able to purchase vegetables through the portal while not indecisive concerning quality. The system are the central purpose for getting and mercantilism the vegetables.

**KEYWORDS:** E-agribusiness, MERN.

## I. INTRODUCTION

Food needs are increasing population growth. Therefore, the govt. prioritizes the event of the agricultural sector to satisfy the people's food wants. A variety of web users have begun to have an interest in buying an agricultural product online, nonetheless, the results don't seem to be terribly important as a result of they have an inclination select to settle onto decide on to go to traditional stores once shopping for a recent product in order that they will bite and choose the product themselves, however, this website can assure the client by providing a quality product.. Vegetables are that the basic daily need of any home. On-line e-agribusiness is at the rising stage in India. This type of model has gained quality in tier-one cities like Delhi and Mumbai, however, still, its way too thanks to going. The E-agribusiness model fulfils consumers' needs and facilitates them to avoid wasting their time and energy. E-agribusiness permits organic grocery trade activities to be conducted online through a website. However, that's a replacement and rare activity in India. The aim is to investigate the factors influencing organic fruit and vegetable purchase intention through a website-supported technology perspective and shopper behavior.

The pandemic has brought new risks that threaten livelihoods further as food security. Also, these farmers cannot get the best worth for his or her product. Sometimes individuals don't simply get the vegetables that they need. India depends on wholesale agricultural markets, most of that is shut down of pandemics. While not these markets, farmers don't seem to be able to sell their products. This is often significantly impacting farmers who grow agricultural crops that is spoilable. Right now, farmers are experiencing plenty of economic stress and are having to dump their spoilable, resulting in down incomes. They're additionally facing challenges accessing inputs for his or her crops, like seeds and plant food. This technique is the backbone that connects farmers, and customers. The online agriculture business is at a rising stage in India. Online retailers ought to analyse various factors that have an effect on customer's purchase intentions towards online vegetables and fruits looking. It's additionally determined behavior of customers for online vegetables and fruits looking is completely totally different from buying physical markets. The online agriculture model fulfils customers would like and facilitate them to avoid wasting their time and energy.

## II. RELATED WORK

Need was felt to design and develop E-Market Yard: Online Trading of Vegetables and Fruits as an alternative to traditional buying goods. It is designed to reduce human efforts, time and adulterated goods. Building direct

connection between customer and farmer that helps for getting best price for farmer and customer can buy the products without compromising geographical location..

### III. METHODOLOGY

The methodology for proposed system implemented as follows:

Module 1: User Registration:

- User Registration :-  
First every user has to do registration for their information. The information will contain Name, Address, Email and Mobile number etc. of that person. After successful registration he/she will get login credentials. After login he/she able to buy product and manage their profile.
- Profile Management :-  
After successful login to the system he/she able to update their profile details.

Module 2: Admin:

- Add/Edit Product Category  
In this module admin able to add new category or edit particular category of the product.
- Add/Edit Product Details  
In this module admin able to add new products or edit particular product details like product name, price and images etc.
- Order List  
Admin can able to see and manage the all orders from customer.
- Summery Page  
In this module admin able to visualize the monthly sell of products and also able to see product sells category wise.

Module 3: Product browsing:

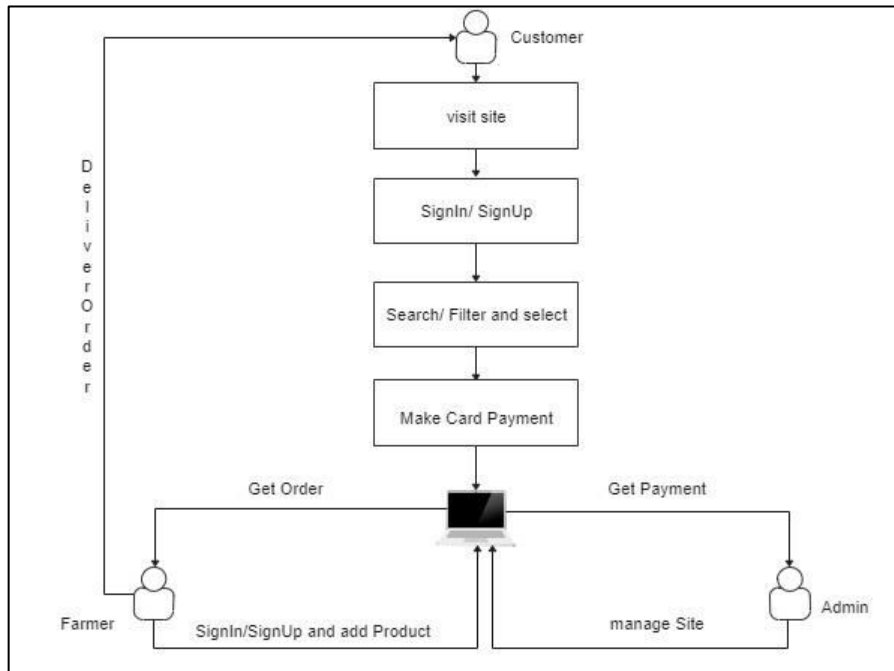
- Navigation for filtering of products in Categories  
Customer can filter products by different categories like rating, type, product arrival and price
- Navigation for filtering of products  
Customer can search particular product directly using search box by entering the name of product.
- Product listing in grid or list format  
Multiple products are listed on homepage in list or grid format with details of the particular product.
- Stock Availability  
After selecting product customer able to check availability of that product if the product is available or not.

Module 4: Order Management:

- View, edit, create and fulfill orders from admin  
Admin/farmer are able to view the products and create, edit and delete orders of customers.
- Email Notifications of Orders  
After user successfully buy product, she/he will get email notification of order on registered email address.

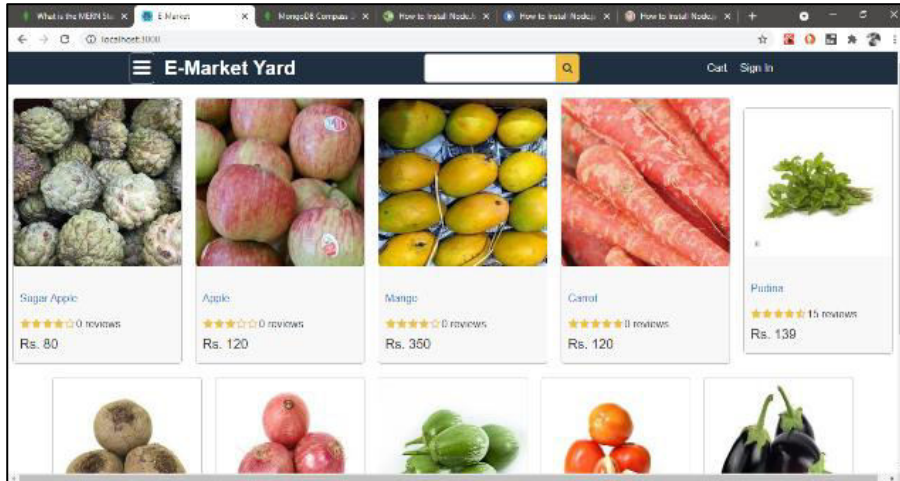
Module 5: Site Management:

- Administration Permission system Roles and Users  
Admin can able to assign different roles to user like seller. Admin can delete particular user and edit user.



#### IV. EXPERIMENTAL RESULTS

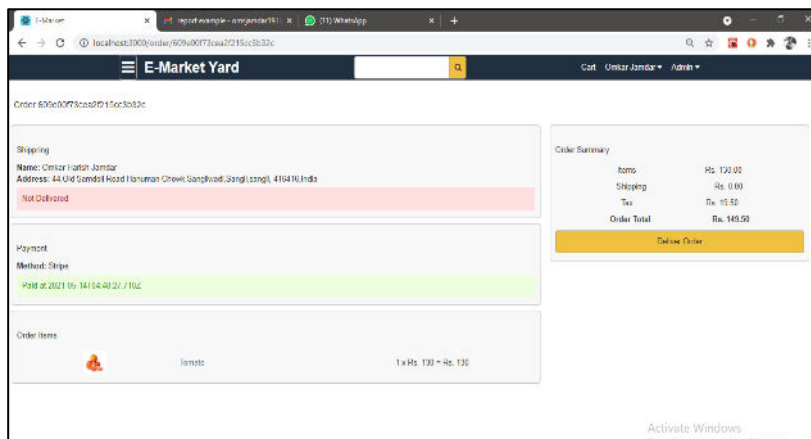
- Homepage



- Product Screen



- Payment



## V. CONCLUSION

India depends on wholesale agricultural markets, most of that is a close-up of pandemics. Without these markets, farmers aren't able to sell their products. This is often notably impacting farmers who grow gardening crops that are biodegradable. Right now, farmers are experiencing plenty of economic stress and are having to dump their spoilable, resulting in down incomes. The proposed system is far additional convenient compared to the normal methodology. This technique can achieve excellent success throughout its business model evolution and can have a varied impact on retail business in our country. This technique tries its utmost to know and meet client wants for achieving client satisfaction and loyalty. It fulfils farmers and customer's want and facilitates them to save lots of their time and energy.

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