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**ABSTRACT:**

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# INTRODUCTION:

The act of purchasing goods and services using the internet is known as online shopping. It is a component of e-commerce. There is no third party involved between the buyer and the Online Shopping Websites/App. This entire sale and purchase process takes place over the internet. The biggest advantage of E-commerce is that we can compare the prices of numerous E-Commerce platforms while purchasing things.

## Project Introduction:

The project is about to create a webapp for admin and mobile App for customer to sell agricultural products. The project title is named as AgroMart. AgroMart is an online platform designed to serve specifically to the agriculture community. The platform provides farmers with easy access to wide range of agricultural products, including pesticides, fertilizers, seeds agricultural tools and various agriculture products as per the customer needs.

## Problem as Scenario:

The agriculture sector in Nepal plays a vital role in the country’s economy, providing employment opportunities and contributing significantly to the country’s GDP. In 1975, the agriculture industry in Nepal accounted for 65% of the country GDP (Mishra, 2023). The main problem for the farmers is to get the agricultural product on time. Farmer in remote areas face challenges accessing agricultural supplies. Farmer struggle to access accurate and timely information about the latest products, best practices and innovative agricultural tools. Local physical stores may have a limited range of products, restricting farmers choice. Farmers may not be aware of the best-suited products for their specific needs as well as they are not getting the seasonal products for cultivation of product in time. All these are the current scenario problems based on this project.

## Project as Solution:

When this project will be completed it gives the best solutions for the customers to meet their necessary needs for the products cultivation. This platform facilitates the access to fertilizers, pesticides, seeds, and agricultural tools. The farmers in remote area can easily get the essential supply for their orders with good product. This platform provides the streamlines features to the customer through which they can navigate through products, cart functionality, rating and review of the products, view ordered products, etc. this platform also uses to show the similar product recommended products to the customers.

## Aims and Objectives:

### Aims:

The main aims of this project are to solve the problems of farmers by providing the agricultural cultivation products, products like pesticides, fertilizers, seeds, agricultural cultivation tools and various products as per the farmers need.

### Objectives:

The objectives of this projects are:

* Provide a wide range of agricultural cultivation products to farmers.
* Address and solve the challenges faced by the farmers while buying the agricultural products.
* Support and enhance agriculture practices by providing farming resources and tools to the farmers.
* User-friendly online platform easy for customers for product browsing and ordering.
* Offering the products to meets the unique need of local farming community.

# BACKGROUND

## Technology Used

During the creating of AgroMart App, the primary technologies used are:

* **MongoDB and MongoDB Compass:** MongoDB is a non-relational document database that provides support for JSON-like storage. Where as MongoDB Compass is a powerful GUI for storing and analysing the data in visual environment.
* **React.js:** React.js is an open-source JavaScript library, crafted with precision by Facebook, that aims to simplify the intricate process of building interactive user interface (Herbert, 2023).
* **React Native:** React Native is an open-source framework. It contains different resources like pre-built components, libraries, and reference material (Staff, 2023).
* **NativeBase:** NativeBase in a components library that enables to build the universal system design. It is built on the top of React Native. It allows to develop the apps for Android, IOS and the web.
* **Node.js:** Node.js is an open-source, cross-platform JavaScript runtime environment and library for running web applications outside the client’s browser (Sufiyan, 2023).
* **Cascading Style Sheets:** CSS describes how the elements are to be displayed on screen. Generally, it beautifies the layout of the web pages.
* **Bootstrap:** Bootstrap is the most popular framework of HTML, CSS and JavaScript for developing a responsive and mobile friendly website.
* **MS WORD:** MS WORD is a word processing program that allows for the creation on simple and complex documents.
* **Draw.io:** It is a technology foe building the diagram and structures.
* **Gantt Project:** Gantt Project is an open-source software for making the Gantt Chart.
* **Laptop\PC:** It is a most prior device used for building the whole project report, coding, etc.

## Methodology

### Methodology Consideration:

### Methodology Section Justification:

## Similar Systems:

### Similar System Consideration:

### Similar system Comparison:

# Work To Date:

## Requirement Gathering:

### Survey Conducted:

### Feature List:

## Use Case

## Sequence Diagram:

## Context Diagram:

## Data Flow Diagram:

## Activity Diagram:

## Wireframes:

## ERD:

## System Architecture Design:

## Class Diagram:

## DFD’s Diagram:

## Milestone Chart:

## Work Breakdown Structure:

## Gantt Chart:

## Analysis of Progress:

### Progress Table:

### Progress Review:

### Progress Timeline:

### Action Plan:

# FUTURE WORK:

# CONCLUSION:

# REFERENCES:

**There are no sources in the current document.**

# APPENDIX: