KISANCONNECT

A Farmer-to-Customer Digital Marketplace

Mini Project / Final Year Project Report

Submitted in partial fulfillment of the requirements for the award of the Degree of Bachelor of Computer Applications (BCA)

Submitted by

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Under the guidance of

Project Guide

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CERTIFICATE

This is to certify that the project entitled **“KisanConnect – A Farmer-to-Customer Digital Marketplace”** is a bonafide record of work carried out by **Ajin K S** under my supervision and guidance, submitted in partial fulfillment of the requirements for the award of the degree of Bachelor of Computer Applications (BCA).

Project Guide

Department of Computer Applications

ABSTRACT

KisanConnect is a web-based platform designed to connect farmers directly with customers, eliminating intermediaries and enabling transparent agricultural trade. The system allows farmers to list products, manage orders, and communicate with customers, while buyers can browse products, place orders, track delivery status, and provide ratings. The platform is built using React.js for the frontend, FastAPI for backend services, and PostgreSQL as the database.

CHAPTER 1: INTRODUCTION

Agriculture plays a vital role in the economy. KisanConnect aims to digitize the agricultural marketplace by providing a direct communication and transaction platform between farmers and customers.

CHAPTER 2: SYSTEM DESIGN

The system follows a three-tier architecture consisting of frontend, backend, and database layers. Entity Relationship diagrams and Data Flow Diagrams are used to model the data and process flows.

CHAPTER 3: MODULE DESCRIPTION

Major modules include User Management, Product Management, Order Processing, Cart Management, Messaging System, Rating System, and Admin Management.

CHAPTER 4: CONCLUSION

KisanConnect provides a scalable and secure solution for modern agricultural commerce. The system improves transparency, efficiency, and user experience for both farmers and customers.

REFERENCES

• FastAPI Documentation
• PostgreSQL Official Documentation
• React.js Official Documentation