VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI

A MINI PROJECT REPORT ON

FARM MANAGEMENT SYSTEM

SUBMITTED BY

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DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY

MOODBIDRI-574225, KARNATAKA

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ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY

MIJAR, MOODBIDRI D.K. -574225 KARNATAKA

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

CERTIFICATE

This is to certify that, the Mini Project entitled **"Farm Management System"** for the subject code **21CSMP67** has been successfully completed and report submitted by **Vehana M Naik (4AL21CS173)** during the academic year 2023– 2024. It is certified that all corrections/suggestions indicated presentation session have been incorporated in thereport and scored_____80_____Marks out of 100.

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by **Vijayalaxmi M Kunnur (4AL21CS176)** during the academic year 2023– 2024.

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This is to certify that, the Mini Project entitled **"Farm Management System"** for the subject code **21CSMP67** has been successfully completed and report submitted by **VinayKumar S N(4AL1CS178)** during the academic year 2023– 2024. It is certified that all corrections/suggestions indicated presentation session have been incorporated in the report and scored_____80_____Marks out of 100.

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ABSTRACT

The Farmer Management System App is a comprehensive agricultural software solution that supports modern farming practices. It offers secure login interfaces for farmers and administrators, allowing them to manage their profiles, track activities, and access critical resources. The Crop Disease Detection module uses advanced machine learning algorithms and image processing techniques to analyze crop images and diagnose diseases, reducing crop loss and improving yield quality. The Equipments to be used section provides detailed specifications, operational guidelines, and maintenance protocols for agricultural machinery, aiding farmers in selecting the appropriate machinery for specific tasks. The Duration of Season for Particular Crop feature provides precise agronomic data on optimal planting and harvesting periods for different crops, reducing the risk of adverse weather impacts. The Cost and Description module provides an in-depth analysis of financial aspects associated with farming activities, ensuring sustainable and profitable practices. The Farmer Management System App empowers farmers with essential tools and knowledge, promoting efficient and sustainable agricultural practices. It enhances decision-making processes, reduces risks, and contributes to higher productivity and profitability in the agricultural sector.