DEPARTMENT OF COMPUTER APPLICATIONS

KONGU ENGINEERING COLLEGE

(Autonomous)

PERUNDURAI ERODE-638 060

December 2024

BONAFIDE CERTIFICATE

This is to certify that the project report entitled **"DIGITAL PLATFORM FOR AGRO CENTER"** is the bonafied record of Project work done by **NISANTH G** (Reg.No:24MCR074), **PRETEKA A T** (Reg.No:24MCR079), **VARSHINI T** (Reg.No:24MCR123) in partial fulfilment for the award of the Degree of Master of Computer Applications of Anna University, Chennai during the year 2024-2025.

SUPERVISOR **HEAD OF THE DEPARTMENT**

(Signature with seal)

Date:

Submitted for the end semester viva voce examination held on _____

INTERNAL EXAMINER **EXTERNAL EXAMINER**

DECLARATION

We affirm that the project entitled **"DIGITAL PLATFORM FOR AGRO CENTER"** being submitted in partial fulfilment of the requirements for the award of Master of Computer Applications is the original work carried out by us. It has not formed the part of any other project report or dissertation on the basis of which a degree or award was conferred on an earlier occasion on this or any other candidates.

Date: (Signature of the candidate)

NISANTH G
(Reg:No:24MCR074)

PRETEKA A T
(Reg:No:24MCR079)

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(Reg:No:24MCR123)

We certify that the declaration made by the above candidates is true to the best of my knowledge.

Date: Name & Signature of the supervisor with seal

(Mrs.M.SINDHU)

ABSTRACT

The project as Digital Platform for Agro Center focuses on developing a professional web application for a Agricultural needs. As demand for digital experiences in the retail sector continues to grow, businesses must keep up with changing customer expectations. The main objective of this project is to improve the customer experience of the Agricultural needs using a web application. A thorough exploration of web technologies, design concepts and e-commerce capabilities will result in an online platform that showcases stores and a wide range of products and provides an easy and engaging shopping experience.

This web application streamlines the purchasing process, ensuring security and efficiency. During online payments, customers receive a One-Time Password (OTP) via SMS, providing an additional layer of security to safeguard transactions. This feature not only protects sensitive information but also builds trust between the platform and its users.

By facilitating effective communication between the frontend and backend, API integration will improve features like order processing and user authentication. The application will provide a dynamic and responsive user experience because it was developed with the help of modern web technologies like React, HTML, CSS, JavaScript, and JSX. Furthermore, NPM will simplify dependency management throughout the development process, and JSON will be used for data transmission, guaranteeing smooth interoperability across several components. By offering a safe, effective, and entertaining online marketplace that satisfies the demands of both customers and companies in the agricultural industry, the Digital Platform for Agro Center ultimately seeks to revolutionize the retail landscape of agriculture.

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LIST OF ABBREVIATIONS

ABBREVIATION	EXPANSION
HTML	Hypertext Markup Language
CSS	Cascading Style Sheets
JS	Java Script
JSX	Java Script XML
JSON	JavaScript Object Notation
API	Application Programming Interface
DOM	Document Object Model
NPM	Node Package Manager