

A REPORT  
ON  
**Mobile App for Direct Market Access  
for Farmers using ML**

*Submitted by,*

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**Mr. Lohith M C – 20221LCG0003**

*Under the guidance of,*

**Mr. Lakshmisha S Krishna**

*in partial fulfillment for the award of the degree*

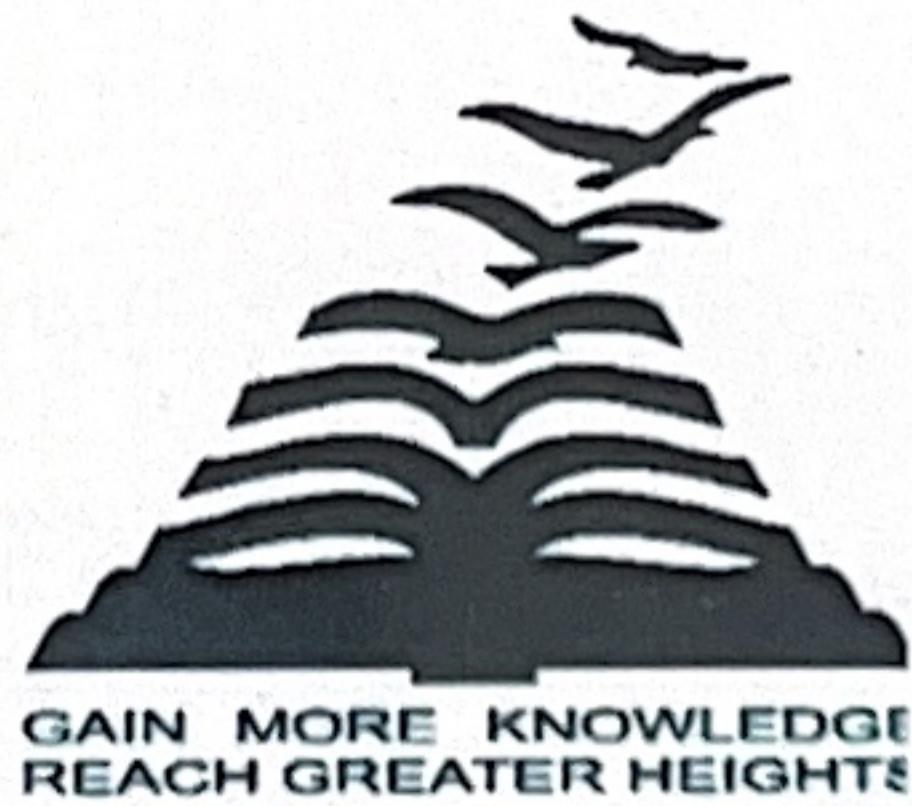
*of*

**BACHELOR OF TECHNOLOGY**

**IN**

**COMPUTER SCIENCE AND TECHNOLOGY**

**At**



**PRESIDENCY UNIVERSITY**

**BENGALURU**

**MAY 2025**

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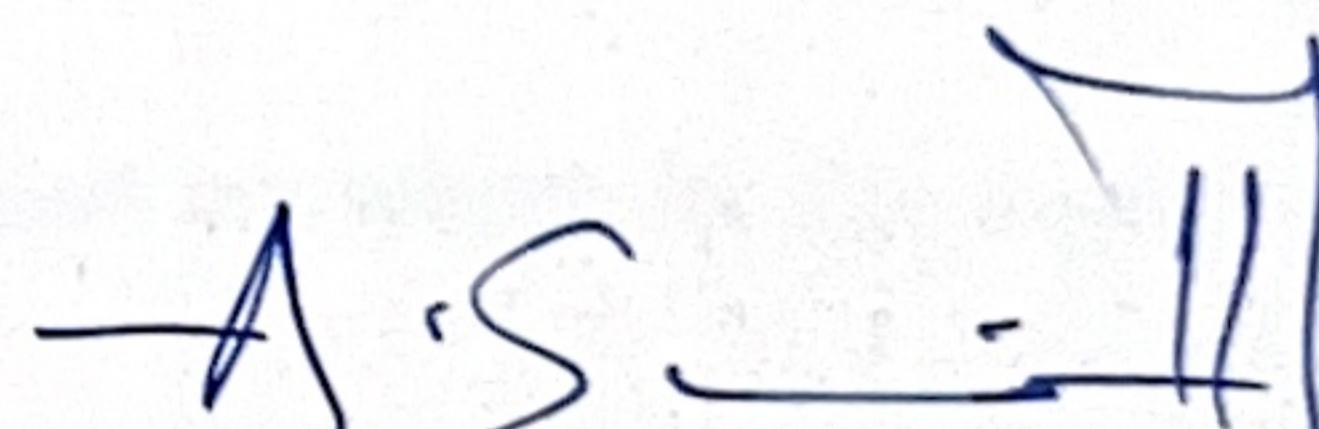
## PRESIDENCY SCHOOL OF COMPUTER SCIENCE AND ENGINEERING

### CERTIFICATE

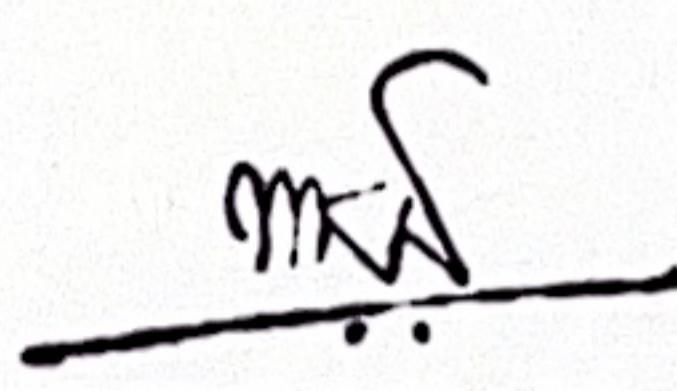
This is to certify that the Project report **Mobile App for Direct Market Access for Farmers using ML** being submitted by G Nithin, Jayanth V, Swaroop R S, Lohith M C bearing roll number(s) 20211CSG0030, 20211CSG0012, 20211CSG0034, 20221LCG0003 in partial fulfillment of the requirement for the award of the degree of Bachelor of Technology in Computer Science and Technology is a Bonafide work carried out under my supervision.



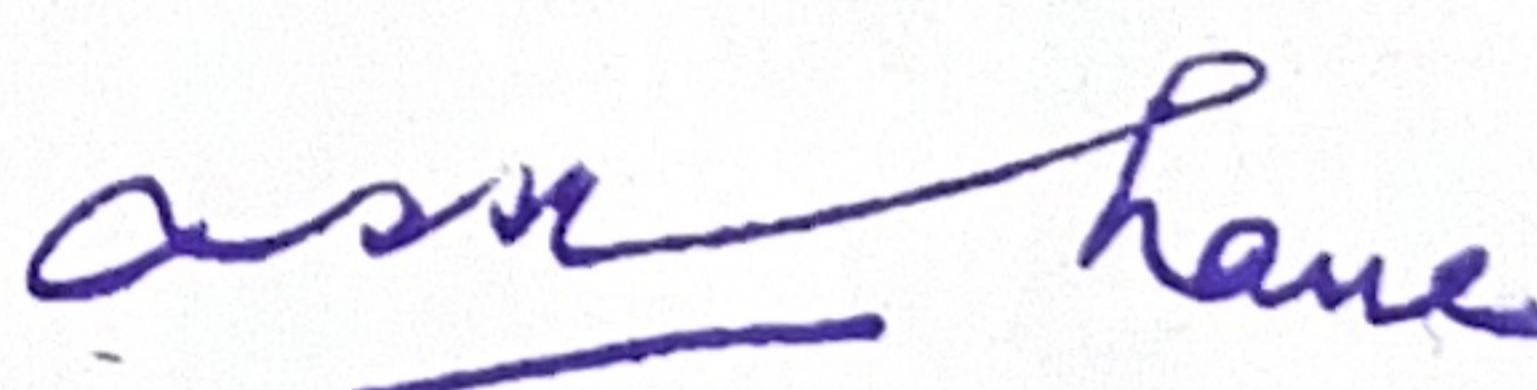
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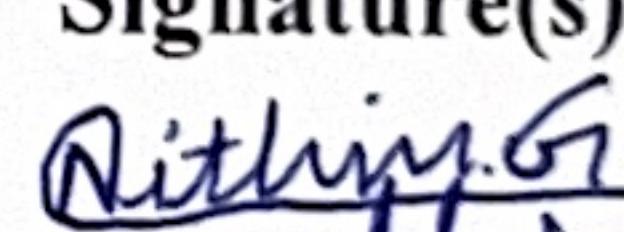
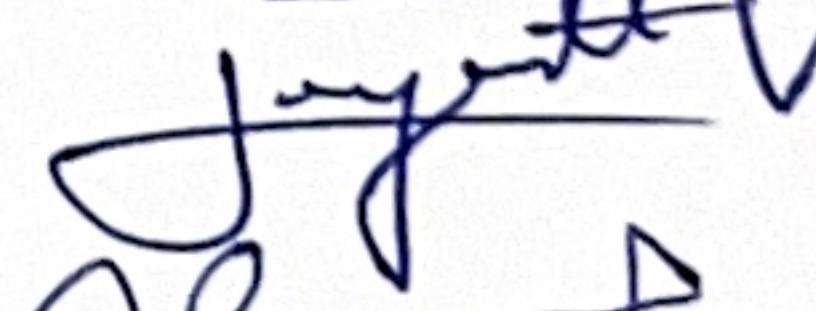
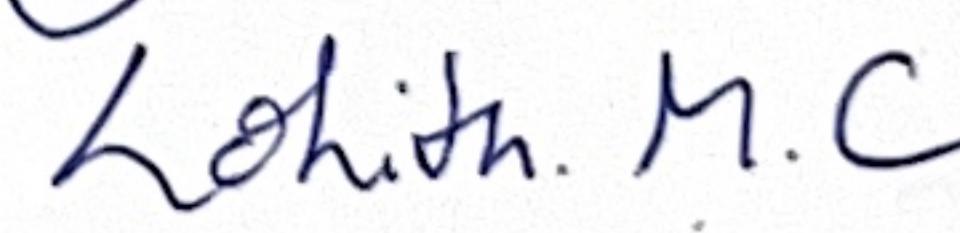
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### DECLARATION

I hereby declare that the work, which is being presented in the report entitled **Mobile App for Direct Market Access for Farmers using ML** in partial fulfillment for the award of Degree of **Bachelor of Technology in Computer Science and Technology**, is a record of my own investigations carried under the guidance of **Mr. Lakshmisha S Krishna, Presidency School of Computer Science and Engineering, Presidency University, Bengaluru.**

I have not submitted the matter presented in this report anywhere for the award of any other Degree.

Name(s)	Roll no(s)	Signature(s)
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## **ABSTRACT**

Farmers often face financial challenges due to the involvement of middlemen, which restricts their ability to secure fair market prices for their produce. This project presents a mobile application that connects farmers directly with consumers and retailers, eliminating the need for intermediaries and improving profit margins. The app enables farmers to list their produce, negotiate prices, and manage real-time transactions through integrated payment gateways. Additionally, the platform includes machine learning (ML) models for crop disease prediction and crop recommendation, empowering farmers with actionable insights. The disease prediction model allows farmers to upload images of crops to diagnose issues and receive treatment recommendations, while the crop recommendation system suggests optimal crops based on soil quality, weather conditions, and market demand. The proposed solution enhances market accessibility, reduces financial dependency on intermediaries, and equips farmers with AI-driven decision-making tools to maximize productivity and profitability.

## **ACKNOWLEDGEMENTS**

First of all, we are indebted to the **GOD ALMIGHTY** for giving us an opportunity to excel in our efforts to complete this project on time.

We express our sincere thanks to our respected dean **Dr. Md. Sameeruddin Khan**, Pro-VC - Engineering and Dean, Presidency School of Computer Science and Engineering & Presidency School of Information Science, Presidency University for getting us permission to undergo the project.

We express our heartfelt gratitude to our beloved Associate Dean **Dr. Mydhili Nair**, Presidency School of Computer Science and Engineering, Presidency University, and **Dr. Saira Banu Atham**, Head of the Department, Presidency School of Computer Science and Engineering, Presidency University, for rendering timely help in completing this project successfully.

We are greatly indebted to our guide **Mr. Lakshmisha S Krishna**, Assistant Professor, Presidency School of Computer Science and Engineering, Presidency University for his inspirational guidance, and valuable suggestions and for providing us a chance to express our technical capabilities in every respect for the completion of the internship work.

We would like to convey our gratitude and heartfelt thanks to the CSE7301 University Project Coordinator **Mr. Md Ziaur Rahman** and **Dr. Sampath A K**, department Project Coordinators **Dr. Manjula H M** and Git hub coordinator **Mr. Muthuraj**.

We thank our family and friends for the strong support and inspiration they have provided us in bringing out this project.

**G Nithin**

**Jayanth V**

**Swaroop R S**

**Lohith M C**