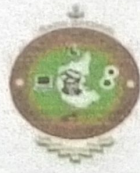# VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELGAVI

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MINI PROJECT REPORT ON:

"BAKERY MANAGEMENT SYSTEM"

Submitted in partial fulfilment for the award of Degree of

BACHELOR OF ENGINEERING

IN

COMPUTER SCIENCE &ENGINEERING

By

PUNEETH CK	4AL21CS107
RADHIKA	4AL21CS108
RADHIKA B N	4AL21CS109
RAHUL GOWDA	4AL21CS110

Under the Guidance of

Mrs. Deeksha M

Sr. Assistant Professor

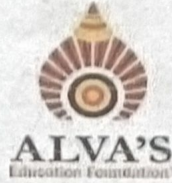### ALVA'S
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CERTIFICATE

This is to certify that, the Mini Project entitled "**Bakery Management System**" for the subject code **21CSMP67** has been successfully completed and report submitted by **Puneeth C K (4AL21CS107)** during the academic year 2023–2024. It is certified that all corrections/suggestions indicated presentation session have been incorporated in the report and scored Marks out of 100 and deposited in the departmental library. 87/100

Mrs. Deeksha M

Sr. Assistant Professor

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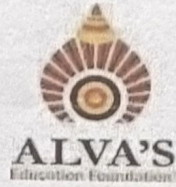## DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

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submitted by **Radhika (4AL21CS108)** during the academic year 2023– 2024. It
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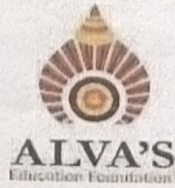## DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

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This is to certify that, the Mini Project entitled "**Bakery Management System**" for the subject code **21CSMP67** has been successfully completed and report submitted by **Radhika B N (4AL21CS109)** during the academic year 2023–2024. It is certified that all corrections/suggestions indicated presentation session have been incorporated in the report and scored Marks out of 100 and deposited in the departmental library.

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ABSTRACT

This mini-project focuses on developing a design and implementation of a Bakery Management System (BMS), aimed at enhancing the operational efficiency and customer experience in bakery businesses. The BMS is a comprehensive software solution that integrates various functional modules to streamline processes such as inventory management, order processing, sales tracking, and customer relationship management. The system features a user-friendly interface that allows bakery staff to manage daily operations with ease. Inventory management functionalities include real-time tracking of raw materials, automated stock alerts, and supplier management. Order processing is optimized through online order placement, order scheduling, and delivery tracking, ensuring timely and accurate fulfillment of customer orders.

Sales tracking and analytics provide valuable insights into sales performance, customer preferences, and market trends, enabling bakery owners to make informed business decisions. Additionally, the customer relationship management module helps maintain customer profiles, manage loyalty programs, and send personalized promotions, thereby improving customer retention and satisfaction.

The BMS is developed using a robust technology stack, ensuring reliability, scalability, and security. The implementation of this system in a bakery setting demonstrates significant improvements in operational efficiency, reduction in wastage, and enhanced customer service, ultimately contributing to the overall profitability and growth of the business.