

**VISVESVARAYA TECHNOLOGICAL UNIVERSITY,  
BELAGAVI - 590 018.**



**A Mini Project report on**

**“RECIPE AND GROCERY MANAGEMENT SYSTEM”**

**Submitted by**

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**Under Supervision of**

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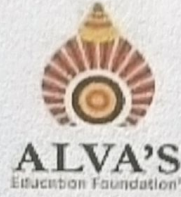
This is to certify that, the Mini Project entitled “**Grocery Management System App**” for the subject code **21CSMP67** has been successfully completed and report submitted by **Moolya Chaitra Satish(4AL21CS077)** during the academic year 2023–2024. It is certified that all corrections/suggestions indicated presentation session have been incorporated in the report and scored 85 Marks out of 100.

A handwritten signature in black ink, appearing to read "Deeksha M", is written over a horizontal line.

**Mrs. Deeksha M**

**Sr. Assistant Professor**

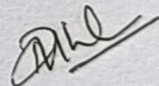
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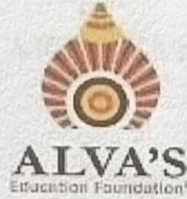
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This is to certify that, the Mini Project entitled “**Grocery Management System App**” for the subject code **21CSMP67** has been successfully completed and report submitted by **Mydam Niharika (4AL21CS079)** during the academic year 2023–2024. It is certified that all corrections/suggestions indicated presentation session have been incorporated in the report and scored 85 Marks out of 100.

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**Mrs. Deeksha M**

**Sr. Assistant Professor**

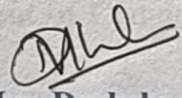
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## ABSTRACT

The Recipe and Grocery Management System is an integrated software solution designed to streamline the process of managing recipes, tracking ingredients, and creating shopping lists. This system leverages a combination of modern web technologies and backend processing to enhance the efficiency and organization of cooking and grocery management tasks.

The frontend of the system utilizes HTML and CSS to deliver a user-friendly interface, enabling users to easily add, view, and edit recipes, manage ingredient lists, and generate shopping lists. JavaScript enhances user interaction by providing dynamic updates and real-time feedback, ensuring a responsive and engaging experience.

On the backend, Java handles the server-side logic, including data processing and integration with external services. The system's backend processes HTTP requests for recipe management, ingredient standardization, and user authentication. It also integrates with BigBasket's API to provide real-time data on ingredient availability and pricing, further streamlining the grocery shopping experience.

The system employs a robust database management approach using Java with ORM frameworks to ensure reliable data storage and retrieval. This allows for efficient handling of recipe data, ingredient information, and user profiles, supporting various operations such as adding, updating, and deleting records.

Overall, the Recipe and Grocery Management System combines effective frontend and backend technologies to provide a comprehensive and user-centric solution for managing culinary and grocery tasks. It addresses key challenges in recipe organization and shopping, offering a practical and efficient tool for users seeking to simplify their cooking and grocery management activities.