



**AMAL JYOTHI**  
**COLLEGE OF ENGINEERING**  
( A U T O N O M O U S )

# RECIPE SHARING PLATFORM

23MCA245 - Mini Project

Scrum Master

**Ms. Gloriya Mathew**

Assistant Professor

Department of Computer Applications

**Sandra Mohan**

AJC23MCA-2056

RMCA2023-25 S3

<https://github.com/sandramohan2002/Recipe-sharing-platform.git> sandramohan2025@mca.ajce.in

**DEPARTMENT OF  
COMPUTER APPLICATIONS**



AJC23MCA-2056 SANDRA MOHAN

# ABSTRACT

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## **RECIPE SHARING PLATFORM**

This project proposes a comprehensive recipe platform that empowers users to create, share, and discover culinary delights. Core functionalities include user authentication, recipe management, categorization, and search. To enhance user experience, features such as ingredient substitution suggestions, meal planning, nutritional information, and recipe review are incorporated.

The platform fosters a sense of community through recipe sharing and user-generated content. In-depth ingredient knowledge, including dietary filters, is provided. To engage users further, recipe contests, with clear guidelines and judging criteria, are introduced.

The platform will leverage analytics to understand user behaviour and optimize content. Robust security and scalability are prioritized to ensure a reliable and user-centric platform.

Ultimately, the platform aims to create a thriving online community centred around food, inspiration, and shared culinary experiences.

### **MODULE 1: User Authentication**

#### **Functionalities:**

- ***Sign Up/Login:*** Allow users to create accounts and log in securely.
- ***Profile Management:*** Users can manage their profiles, including personal information and profile pictures.

## MODULE 2: Recipe Management

### Functionalities:

- ***Create:*** Users can submit new recipes with details such as ingredients, instructions, and images.
- ***Read:*** Users can browse, search, and view recipes.
- ***Update:*** Users can edit their own recipes.
- ***Delete:*** Users can delete their own recipes.

## MODULE 3: Recipe Organization

### Functionalities:

- ***Categories:*** Organize recipes into categories (e.g., Breakfast, Lunch, Dinner, Dessert).
- ***Tags:*** Allow users to tag recipes with keywords (e.g., Vegan, Gluten-Free, Quick).
- ***Review:*** Users can leave reviews and comments on recipes.

## MODULE 4: Search and Discovery

### Functionalities:

- ***Search:*** Implement a search bar for users to find recipes by name.
- ***Filters:*** Allow users to filter recipes by category

## MODULE 5: Enhanced Functionalities

- ***Ingredient Substitution Suggestions:*** Provide suggestions for alternative ingredients (e.g., replacing butter with olive oil).
- ***Meal Planning:*** Allow users to plan meals by selecting recipes and organizing them into a meal plan.
- ***Recipe Sharing:*** Enable users to share recipes via social media or email.

- ***Nutritional Information:*** Display nutritional information for each recipe (e.g., calories, protein, fat).
- ***Favourites:*** Users can mark recipes as favourites for easy access

## **MODULE 6: Ingredient Knowledge and Advanced Search**

### **Functionalities:**

- ***Ingredient Insights:*** Provide detailed information about ingredients, including health benefits and usage tips.
- ***Dietary Preferences Filter:*** Advanced filtering based on specific dietary needs (e.g., vegan, keto, gluten-free).

## **MODULE 7: Competition Implementation      Functionalities:**

- ***Competition Details:*** Clearly outline the competition theme, deadline within the system.
- ***Recipe Requirements:*** Specify any special requirements for entries, dietary restrictions, or ingredient limitations.

FRONTEND: HTML,CSS, BOOTSTRAP

BACKEND: DJANGO

DATABASE: MYSQL

