

SmartBite: Operational Overview and Features Explanation

Welcome to SmartBite, your AI-powered recipe assistant that simplifies cooking and makes meal planning effortless. This document explains how SmartBite operates and highlights its key functionalities.

Operational Overview

- **Input Ingredients and Preferences:**
 - List ingredients available in your pantry or fridge.
 - Specify dietary restrictions or preferences (vegetarian, vegan, gluten-free).
 - Indicate your cooking skill level for tailored suggestions.
 - **Personalized Recipe Suggestions:**
 - Ingredient-based recipes minimise food waste.
 - Recipes align with dietary preferences and portion sizes.
 - Options for quick, easy, or advanced recipes.
 - **Real-Time Interaction:**
 - Dynamic guidance with step-by-step cooking instructions.
 - Cooking tips for techniques, timing, and presentation.
-

Key Features

- **Nutritional Insights:** Calorie counts and nutritional breakdowns for recipes.
 - **Pantry Management:** Update inventory as you shop or cook.
 - **Favourite Recipes:** Save recipes for quick access.
-

Behind the Scenes

- **AI Technology:** Uses large language models and a recipe database for recommendations.
 - **Recommendation Systems:** Combines collaborative and content-based filtering.
-

Future Enhancements

- Voice command integration for hands-free use.
 - Grocery delivery integration for seamless shopping.
 - Weekly or monthly meal planning.
 - Ingredient substitutions for flexibility in cooking.
 - Multilingual support for exploring international cuisines.
-

Thank you for choosing SmartBite! For more information, visit our website or FAQ page.