

# Report

**Name:** Ranjitha Meela

**Student Id:** 02079833

**Email:** [ranjitha\\_meela@student.uml.edu](mailto:ranjitha_meela@student.uml.edu)

**Project:** Smart Calorie Analyzer

## **Report:**

Our "Smart Calorie Analyzer" site encompasses a robust set of features designed to promote health and wellness. The user journey begins with a secure and user-friendly login page, offering options for sign up, sign in, and password recovery. Upon successful authentication, users are greeted by the home page, which serves as the central hub for various health-related functionalities.

The app's core features include a Calorie Calculator that leverages user-provided information such as age, height, and weight to compute personalized daily caloric needs. This tool not only calculates calories but also offers insightful recommendations tailored to individual profiles. Additionally, the BMI Calculator assesses the user's Body Mass Index, providing a clear classification into categories like overweight, underweight, or normal weight and gives the dietary recommendations based on their category.

The Food Tracker component utilizes Firebase Database to store and retrieve nutritional information for different foods. This feature empowers users to track their daily food intake, making informed decisions about their diet. The integration of a reliable database ensures accurate and up-to-date nutritional values for a wide variety of foods.

Furthermore, our site goes beyond individual health metrics by incorporating a Location Feature powered by the Google Maps API. This functionality not only provides users with their current location but also allows them to discover nearby places relevant to their health and fitness goals. Whether it's finding gyms, health food stores, or wellness centers, this feature enhances the overall user experience by adding a practical and location-based dimension to the app.

In summary, "Smart Calorie Analyzer" offers a comprehensive and user-centric approach to health management, combining essential metrics like calorie and BMI calculations with practical tools such as food tracking and location-based services. This holistic approach positions your app as a valuable companion for users on their journey toward a healthier lifestyle.