**Project Synopsis: Intelligent Food Calories Calculator**

This school project introduces an **Intelligent Food Calories Calculator**, an innovative web application designed to empower users with the ability to easily estimate the caloric content of their meals. Developed using the versatile **Python** programming language and the user-friendly **Streamlit** framework, this application provides an intuitive and accessible interface that simplifies the process of food analysis through image uploads.

The core functionality of this application is driven by the advanced capabilities of the **Google AI API**. When a user uploads an image of their food, the application intelligently leverages this powerful visual AI model to accurately identify the various food items present in the photograph. Following this initial identification, the AI, designed to function as an expert nutritionist, is then given an additional algorithm which it uses to meticulously calculate the total calories for the entire meal. Furthermore, it provides a detailed breakdown of the caloric intake for each individual food item recognized in the image, offering a comprehensive nutritional overview.

This project serves as a compelling demonstration of the practical application of Artificial Intelligence in everyday scenarios, providing a convenient and modern tool for dietary management and enhancing nutritional awareness. It effectively showcases the seamless integration of cutting-edge AI models with accessible web interfaces, proving how technology can address real-world challenges and support healthier lifestyles.