

BMS INSTITUTE OF TECHNOLOGY & MANAGEMENT

YELAHANKA, BENGALURU - 560064



DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

MINI PROJECT

2023-2024 Even Semester

“Packaged Food Facts (PFF)”

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INSTITUTE VISION

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INSTITUTE MISSION

Accomplish stimulating learning environment through high quality academic instruction, innovation and industry-institute interface.

DEPARTMENT VISION

To develop professionals equipped to build sustainable and intelligent solutions that effectively interact with the natural intelligence towards creating a digitally empowered environment for future generations, safeguarding social ethics.

DEPARTMENT MISSION

- ❖ To enable students with the spirit and power of interdisciplinary acumen by integrating a world of knowledge into a world of intelligent systems and subsystems.
- ❖ Boost academic outcome through place-based education and collaborations with established research labs and industries.
- ❖ Encourage entrepreneurship efforts among students and develop them into great leaders.

Abstract

Many consumers purchase packaged food products without understanding the detailed nutritional information and ingredient lists. This can lead to unhealthy choices, as people often skip reading or don't fully comprehend the ingredients and nutritional facts. There is a need for a tool that simplifies this information and provides clear, personalized health guidance.

By integrating a comprehensive nutritional database and user-friendly interface, the tool will enable users to scan product barcodes, receive easy-to-understand nutritional summaries, and obtain personalized dietary recommendations based on their specific health goals and dietary restrictions. The project will involve extensive research, user-centered design, and rigorous testing to ensure accuracy, usability, and effectiveness.

There are a set of goals that are ahead of us while the model is being implemented. Simplify nutritional information by making it simple for consumers to comprehend the contents and components of food products that are packed, and offer individualized health advice that includes suggestions and cautions based on dietary choices and specific health profiles. Encourage healthy choices by emphasizing good elements and highlighting those that are unhealthy.

It also throws out certain key objectives, which are also taken into consideration. The platform should enable users to create profiles detailing their health goals, dietary preferences, and allergies. It should also offer clear, concise descriptions of ingredients, highlighting their health benefits or risks. Additionally, users should be able to easily search for and compare products.

Signature of Guide

Signature of Students