PROJECT DESIGN PHASE II

FUNCTIONAL REQUIREMENTS

Date	21 October 2022
Team ID	PNT2022TMID16296
Project Name	Nutrition Assistant Application

Project Description:

This Nutrition Assistant Application project is aimed at developing a desktop-based application for estimates food attributes such as ingredients and nutritional value by classifying the input images of food. This application provides efficient knowledge about nutrition content in the food which helps to make their body more healthy and strong. It refers to the system and processes to help the user to analyze the intake of food with the involvement of a Technology system by the information given by every user. This system can be used to store the details of the user's health, calculate BMI of user, update the status of their health condition based on the information provided, and generate health reports weekly or monthly based. This application's major role is to control their daily calorie intake by eating healthier foods, which is the most basic method to avoid obesity and health issue. Without proper diet control, and this will reflective of the risks to people's health. A good Nutrition Assistant Application will alert the users when it is time to avoid. This project is categorizing individual health condition of the user. This application provides a healthy life to the user.

Scope:

➤ **Increase Usability:** It a user-friendly application. In the part of user's just internet is enough to access the news, notification, updates and the other content provided by the admin regarding their health condition.

➤ **Maintains good health:** The application will help them personally without going to the doctor. It provide better education of healthy diet and nutrition. It can help in guiding them how to remain healthy and how to take good nutrition.

➤ **Health conscious:** This will provide convenience to persons/users who wants to learn about nutrition and other health topics.

➤ **Functional Limitations:** The user to be specific can't access the web or admin module, whereas the administrator has all the rights to modify and manage the contents such as news, tips, updates, etc

Purpose:

The users learn about the effect of different foods on human health. Evidently, the ultimate aim of this application is to provide the ways in which one can lead a healthy life by maintaining his/her diet. The user can access the nutritional information by taking a photo of the food, uploading a photo from the gallery, or by entering manually.

Nutrition is most important thing in a healthy life. It is more than just obtaining nutrition and calories by food. It's more than just eating the healthy stuff. It's more than just following the fat diet. I believe the purpose of the nutrition is to nourish the body and soul. The food we eat and the way we eat it, is an integral part of the life

It helps the users to eat nutritional rich food which yield to lead a healthy life.

IDENTIFIER	REQUIREMENTS
1. Add health information	This application will allow to add health related information of the user.
2. Delete health information	This application will allow to delete the unwanted details about their health.
3. Categories of nutritional food	The categories of food.
4. View of Dashboard	Application will allow user to view the dashboard containing nutrition details.
5. Mail Notification	This application will allow to send mail notification to user when there are any issues regarding their health.
6. Tracking System	The health can be tracked with this application.
7. Graph analysis	This application will demonstrate health condition by means of nutritional content.
8. Identifying the high calorie food	The high calorie ingredients will be shown via this application.
9. Identifying the low calorie food	The high calorie ingredients will be shown via this application.
10. Passcode	This application has the option to set a passcode to keep their medical reports safe.
11. Add multiple accounts	This application has the option of creating multiple accounts for the users.
12. Update account	This application will allow the user to update their profile.

13. Selection of health report duration	This application has the ability to select the duration for displaying the health report as weekly or monthly.
14. Add account	This application will allow the user to add their profile.
15. Pupation of nutritional trends	This application will allow constant review of nutritional trends and pupation.
16. PDF report	This application will generate the pdf report of medical analysis.
17. Delete account	This application will allow the user to delete their profile.