PROJECT DESIGN PHASE II

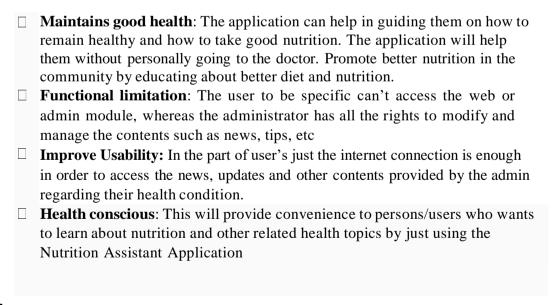
SOLUTION REQUIREMENTS

Date	9 November 2022
Team ID	PNT2022TMID54436
Project Name	Nutrition Assistant Application.

Project description:

This project is aimed at developing a desktop-based application named Nutrition Assistant Application for estimates food attributes such as ingredients and nutritional value by classifying the input images of food. The Nutrition Assistant Application refers to the system and processes to help the user to analyse the intake of food with the involvement of a Technology system. This system can be used to store the details of the user's health, calculating the BMI, Classifying the food image to know the nutritional value, update the status of their health condition based on the information provided, and generate health reports weekly or monthly based. This project is categorizing individual health condition of the user. The Nutrition Assistant Application is important to control their daily calorie intake by eating healthier foods, which is the most basic method to avoid obesity. Without proper diet control, and this is 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 aims at building a web App that automatically estimates food attributes such as ingredients and nutritional value by classifying the input image of food.

Scope:



Purpose:

The users continue to demand to know the nutritional value that is in their food. 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 more than just obtaining nutrients and calories from food. It's more than just eating the healthy stuff. It's more than just following the most recent fad diet. Nutrition, the food we eat and the way we eat it, is an integral part of life. Nutrition is an experience. It evokes memories, helps us celebrate good times, and is there for us in times of grief. I believe the purpose of nutrition is to nourish the body and soul.

The Nutrition Assistant Application 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.
12. Add multiple accounts	This application has the option of creating
	multiple accounts for the users.
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. Update account	This application will allow the user to update
	their profile.
15. Add account	This application will allow the user to add
	their profile.
16. Delete account	This application will allow the user to delete
	their profile.
17. PDF report	This application will generate the pdf report
	of medical analysis.
18. Pupation of nutritional trends	This application will allow constant review
	of nutritional trends and pupation.