

# PROJECT DESIGN PHASE II

## FUNCTIONAL REQUIREMENTS

Date	17-10-2022
Team-ID	PNT2022TMID02126
Project Name	Nutrition Assistant Application

### Project description:

The goal of this project is to create a Nutrition Assistant Application that classifies input food photos and calculates food features like ingredients and nutritional value. The term "Nutrition Assistant Application" refers to a technology-based system and set of procedures that assist users in analyzing their dietary intake. This initiative is classifying each user's unique health situation. The most fundamental way to prevent obesity is to limit daily caloric intake by choosing healthier foods, hence the Nutrition Assistant Application is crucial. Without appropriate nutrition regulation, there are threats to people's health. When it is time to avoid, an excellent nutrition assistant app will let the users know. By identifying the supplied food image, this project attempts to create a web application that automatically calculates food qualities like ingredients and nutritional value.

### Purpose:

Users still insist on learning how much nutrition their food contains. Users get knowledge about how various diets affect human health. This application's major goal is clearly to show users how to manage their diets while living healthy lives. By snapping a photo of the item, uploading a photo from the gallery, or manually entering the data, the user can obtain the nutritional information.

So, The Nutrition Assistant Application helps the users to eat nutritional rich food which yield to lead a healthy life.

## Solution Requirements (Functional & Non-Functional):

### Functional Requirements:

IDENTIFIER	REQUIREMENTS
1. User Registration	<ul style="list-style-type: none"><li>• Registration through Mobile Number</li></ul>
2. User Confirmation	<ul style="list-style-type: none"><li>• Confirmation via OTP through Email</li></ul>
3. User Login	<ul style="list-style-type: none"><li>• Login with Username</li><li>• Login with Password</li></ul>
4. Display	<ul style="list-style-type: none"><li>• The System Display the nutrition value of the Food.</li></ul>
5. Add health information	<ul style="list-style-type: none"><li>• This Application will allow to add health related information of the user.</li></ul>
6. Update health information	<ul style="list-style-type: none"><li>• This Application will allow to update the health related information of the user.</li></ul>
7. View Dashboard	<ul style="list-style-type: none"><li>• Application will allow user to view the dashboard containing nutrition details</li></ul>
8. Tracking System	<ul style="list-style-type: none"><li>• The health of the user can be tracked with this application.</li></ul>

### Non-Functional Requirements:

Non-Functional Requirements	Description
1. Usability	<ul style="list-style-type: none"><li>• Accessible through Internet</li></ul>
2. Security	<ul style="list-style-type: none"><li>• Secure through unique Username and Password.</li></ul>
3. Availability	<ul style="list-style-type: none"><li>• Available for 24/7</li></ul>
4. Scalability	<ul style="list-style-type: none"><li>• It can be accessed by a greater number of user at the same time without any compromise in the performance.</li></ul>