Project Design Phase-I
Proposed Solution

Date	19 September 2022
Team ID	PNT2022TMID07854
Project Name	Nutrition Assistant Application
Maximum Marks	2 Marks

Proposed Solution:

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	Food is the key element of every human body. So, diet must be always taken into consideration. The knowledge about total intake of calories and nutrients to be consumed to maintain a fit and healthy life is needed. A well balanced diet with an estimated nutrient intake is vital for infants and children which reduces the risks of deadly diseases namely cancer, diabetes, obesity and cardiovascular diseases.
2.	Idea / Solution description	An interactive web application uses Clarifai's AI-Driven Food Detection Model to analyse the food image which is given by the user as input. The Nutrition API is used to provide nutritional information about the analysed user image, which helps to maintain a proper diet.
3.	Novelty / Uniqueness	• Uses a Clarifai's AI- Driven model to analyse the food images. • Also able to identify the lower quality photos. • Provides customised nutritional options. • Assign health related tasks and activities. • Users can get in touch with dietician through our portal for more information.
4.	Social Impact / Customer Satisfaction	It focuses on providing the exact calorie rate, surveillance of a healthy diet, guidelines for healthy eating and proper response from a nutritionist.
5.	Business Model (Revenue Model)	Revenue is obtained on a premium subscription basis, as it provides the facility to interact with experts to gain detailed information.
6.	Scalability of the Solution	Additional features can be implemented, such as delivery of hygienic food according to their nutrition level, suggesting food to be consumed for patients based on their disease.