Project Design Phase - I
Proposed Solution

Date	24 September 2022
Team ID	PNT2022TMID29412
Project Name	Nutrition Assistant Application
Maximum Marks	2 Marks

Proposed Solution:

Sl.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	This project aims in building a web application that automatically estimates food contents like ingredients and nutritional value by classifying the input image of the given food. Our method uses Convolutional Neural Networks(CNN) for accurate food identification and rapid.com's Food API to give the nutritional value of the identified food
2.	Idea / Solution description	The solution is a responsive web page that can be used in both mobile and computers. Cumulative results of pictures of food as input and provide nutritional information of food are used to achieve accurate prediction. A detailed report of the concerned person's health will be generated. This will help the person to determine the type of food they want to eat.
3.	Novelty / Uniqueness	● Our method uses Convolutional Neural Networks(CNN) to accurately identify foods. ● Rapidapi.com's food API reports the nutritional value of identified foods. ● Checks the nutritional value of the food. ● Water monitoring. ● Suggests the type of food they want to eat. ● Regular tracking of food intake
4.	Social Impact / Customer Satisfaction	This project will help the society to live a better life by maintaining their diets in order to live a healthy lifestyle and prevents them from being malnutrient.

5.	Business Model (Revenue Model)	Revenue can be made by subscriptions for daily regular consumers and collaborating with other health related companies who is willing to help the society
6.	Scalability of the Solution	Furthermore, features can be extended in our application. Additional features such as sleep tracking, water tracking, food intake can be measured.