

Project Design Phase-I

Proposed Solution Template

Date	19 September 2022
Team ID	PNT2022TMID53138
Project Name	Cloud based Nutrition assistant application.
Maximum Marks	2 Marks

Proposed Solution Template:

Project team shall fill the following information in proposed solution template.

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	In this modern world, obesity rate is increasing at an alarmingly high rate, mainly due to the ignorance of the proper nutritional foods. People's lives are risked here. People need to be aware of their calorie intake everyday to avoid obesity. Although some food packages have nutritional content specified, it is not very user friendly and effective in leading a healthy lifestyle.
2.	Idea / Solution description	This project aims to build a web application where people can easily track their nutrition and calorie intake by scanning real time images of the food and examine it's nutritional content which will improve the dietary habits. This solution uses Clarifai's AI-Driven Food Detection Model for identification of food and giving nutritional information. It provides proper nutritional assistance ,helps in leading a healthy lifestyle and also recommends customary diet plans for users.
3.	Novelty / Uniqueness	This solution has the speciality of analyzing real time images of food and can easily examine and provide its nutritional content. A application that can automatically estimate food attributes such as ingredients and its corresponding nutritional values by classifying the input image.
4.	Social Impact / Customer Satisfaction	The obesity rate will get reduced to a great extent and people will lead a healthy lifestyle. People's knowledge and awarness about the importance of leading ahealthy life will increase.

5.	Business Model (Revenue Model)	Users may have the option of getting customized in-depth report and reviews on subscription basis.
6.	Scalability of the Solution	It is extremely easy to access and can give different food recommendations for the users based on their dietary style. It can also have progress feature to track one's progress in the application.