

**Project Design Phase-I**  
**Proposed Solution Template**

Date	28 October 2022
Team ID	PNT2022TMID21338
Project Name	AI-Powered Nutrition Analyzer For Fitness Enthusiasts
Maximum Marks	2 Marks

**PROPOSED SOLUTION TEMPLATE:**

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

<b>1.</b>	Problem statement(problem to be solved)	The inability of most apps to correctly calculate the nutritional value of the MD is a main reason for consumers ultimately rejecting calorie intake and meal tracking apps
	PROPOSED SOLUTION	The main aim of the project is to build a model which is used for identifying the fruit depends on the different characteristics like colour, shape, texture etc using image processing. Here the user can capture the images of different fruits and then the image will be analysed with the trained model. The model analyses the image and lists out the nutrients present in the fruit like sugar, vitamins, minerals, protein etc.
	Idea/solution description	Milestone are important for losing weight,so allow users to set and beat goals to make their achievements visible to them
	Novelty/uniqueness	Giving an individual food and health scheduling .according to their health,body conditioms
	Social Impact / Customer Satisfaction	To lose extra weight,To take control over eating habits & lose weight,To get professional advice,To discover food ingredients fast.

	Business Model (Revenue Model)	<p>Social media is the best way to spread the word about our application and with the help of influencers we can attract normal people. Clustering and targeting the fitness people with the help of local gyms.</p> <p>Allowing third-party vendors(Nutritional Products) to sell their products through our app via advertisements is way to generate money. If the products sold through advertisements, then it is even better</p>
	Scalability of the Solution	<p>This analyzing tool uses artificial intelligence to measure food products' quantitative and qualitative properties without harming them</p>
	Social impact	<p>This will acquire knowledge and provide information about nutrition. Now a days, no one follows the diet plan. Providing this information, they come to know about the nutrition present in each food item. It is used to schedule a diet plan by taking the image of a food item and if we send it, we can get information about each food nutrition like carbohydrates, fat, proteins, vitamins, minerals and sugar. This will help others to improve their health and fitness.</p>