

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

Date	21 September 2022
Team ID	PNT2022TMID17050
Project Name	Project - AI-powered Nutrition Analyzer for Fitness Enthusiasts
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)	A regular person must use cutting-edge AI-based analyzing software to identify fruits and vegetables based on color, texture, form, and other characteristics. At the time of identification, the user must also be aware of the nutritional content of that specific edible.
2.	Idea / Solution description	<b>Main Solution:</b> <ul style="list-style-type: none"><li>● Clear and proper identification of the given input data.</li><li>● Provide nutritional facts based on the obtained data.</li><li>● Fitness analysis and maintenance as per the user's body conditions</li></ul> <b>Additional benefits:</b> <ul style="list-style-type: none"><li>● Analysis of daily dietary requirements</li><li>● Daily tracking of dietary consumption thoroughly.</li></ul>
3.	Novelty / Uniqueness	<ul style="list-style-type: none"><li>● The availability of fitness plans with add-on bonuses</li><li>● Suggestion of home remedies and simple solutions for basic problems.</li><li>● An individualized food plan based on health condition and deficiency.</li><li>● Allowing for diet flexibility helps promote a healthy and effective eating pattern</li></ul>
4.	Social Impact / Customer Satisfaction	<ul style="list-style-type: none"><li>● Healthy lifestyle development</li><li>● Constant calorie management monitoring results in a fitness mindset.</li></ul>
5.	Business Model (Revenue Model)	<ul style="list-style-type: none"><li>● Consultation with nearest trainers and nutritionist for personalized plans.</li></ul>

		<ul style="list-style-type: none"> <li>● Adopt a specialized diet plan under the direction of an expert.</li> <li>● Advertise and offer nutritional supplements and fitness gear.</li> <li>● Promotion for fitness centers and hospitals.</li> </ul>
6.	Scalability of the Solution	<ul style="list-style-type: none"> <li>● Improving accuracy by expanding the data collection using user input data</li> <li>● Storage requirements of a specific food.</li> <li>● User friendly UI for everyone to use and get benefit from it.</li> </ul>