

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

Date	11 October 2022
Team ID	PNT2022TMID16702
Project Name	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 nutrition analyser with AI powered fruit classifier based on the features to provide nutritional values like sugar, protein, fibre, vitamins, minerals etc to Fitness Enthusiasts. The user must also be aware of the nutritional content
2.	Idea / Solution description	<ol style="list-style-type: none"> <li>1. To create an application to monitor and track their health condition and helping the people to improve their health condition.</li> <li>2. Provide nutritional facts based on the obtained data</li> </ol>
3.	Novelty / Uniqueness	<ol style="list-style-type: none"> <li>1. CNN based fruit classifier that supports nutrition analyser that provides nutrition values of the fruit.</li> <li>2. Availability of fitness plans with add-on bonuses</li> <li>3. Allowing for diet flexibility helps to promote a healthy and effective eating pattern</li> </ol>
4.	Social Impact / Customer Satisfaction	Improving the health condition, people can concentrate on their daily duties and works. Constant calorie management monitoring results in a fitness mindset
5.	Business Model (Revenue Model)	<ul style="list-style-type: none"> <li>• Offering monthly/yearly subscription for premium features.</li> <li>• Consultation with nearest trainers and nutritionist for personalized plans.</li> </ul>
6.	Scalability of the Solution	<ul style="list-style-type: none"> <li>• Storage requirements of a specific food.</li> </ul>

		<ul style="list-style-type: none"><li>• User friendly UI for everyone to use and get benefit from it.</li><li>• Implementing in mobile app.</li></ul>
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