

**Project Design Phase – I**  
**AI-Powered Nutrition Analyzer For Fitness Enthusiasts**  
**Proposed Solution**

Team ID	PNT2022TMID51044
Date	18-10-2022
Project Name	AI-Powered Nutrition Analyzer for Fitness Enthusiasts

S.No	Parameter	Description
1.	Problem Statement	<ul style="list-style-type: none"><li>• The primary goal is to determine the nutrient content of a fruit from a camera-captured picture calories from a picture represent quite an fascinating area.</li><li>• As nutrition tracking is important, vital part in leading a healthy lifestyle, this item may be useful to become indispensable in modern society each day.</li></ul>
2.	Solution Description	<ul style="list-style-type: none"><li>• The program will display the nutrient content of a fruit if the photograph is provided as an input.</li><li>• Both image processing and result accuracy may be enhanced by feeding the model a variety of inputs during training.</li></ul>
3.	Novelty/Uniqueness	The application provides the personalized guidelines for an individual to maintain balanced food diet.
4.	Social Impact	This helps the people to know about the calories level, fibre content and protein content in the food by taking the image of a food item. This will acquire knowledge and provide information about nutrition. Thus people will lead a healthy lifestyle.

5.	Business Model	<ul style="list-style-type: none"> <li>• An intuitive user interface makes the product easier to use consistently. As a result, economic growth increases.</li> <li>• The product will be distributed in a small, memory-conserving package and advertisements for foods and exercise to make money.</li> </ul>
6.	Scalability of the Solution	It offers food item and ingredient details, the greatest health solutions, and meal plans for various criteria put forth by various people. The long-term strategy should be virtualized to inspire customers.

**Team Leader**

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