

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

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|---------------|---|
| Date          | 21 September 2022   |
| Team ID       | PNT2022TMID43935  |
| 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 analysing software to identify fruits and vegetables based on colour, 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 addon 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>   |

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|----|--------------------------------|--|
| 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> |