Project Design Phase-I Proposed Solution Template

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| Date | 10 october 2022 |
| Name | R.Karthikeyan |
| 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.

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| **S.No.** | **Parameter** | **Description** |
| 1. | Problem Statement (Problem to be solved) | In order to distinguish between fruits and vegetables based on colour, texture, shape, and other features, an ordinary human needs employ cutting-edge AI-based analysis software. The user must be informed of the nutritional value of that particular food at the  moment of identification. |
| 2. | Idea / Solution description | Main Solution:   * Identification of the provided input data is accurate and clear. * Give nutritional information based on the collected information. * Analysis and upkeep of fitness based on the user's physical circumstances   Additional benefits:   * + Analysis of daily dietary requirements   + meticulously measuring daily nutritional intake. |
| 3. | Novelty / Uniqueness | * The provision of bonus-added fitness plans * Home cures and easy fixes for common issues are suggested. * A diet tailored to each person's needs and health status. * Flexibility in diet is encouraged to encourage a nutritious and productive eating routine. |
| 4. | Social Impact / Customer Satisfaction | * Healthy lifestyle development * Continuous calorie tracking produces a fitness attitude. |

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| 5. | Business Model (Revenue Model) | * Consultation with local nutritionists and trainers for customised strategies. * Adopt a specific diet under the guidance of a professional. * Promote and sell workout equipment and dietary supplements. * Promotion of hospitals and fitness facilities |
| 6. | Scalability of the Solution | * Extending data collecting and increasing accuracy utilising user input data * The best way to store a certain meal * Everyone may use and profit from it because to its user-friendly UI. |