

Project Design Phase-I
Proposed Solution Template

| | |
|---------------|---|
| Date | 10th October 2022 |
| Team ID | PNT2022TMID03936 |
| 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) | An average human needs to use cutting-edge AI-based analytical software in order to discern between fruits and vegetables based on color, texture, form, and other factors. At the time of identification, the user must be notified on the nutritional content of that specific food. |
| 2. | Idea / Solution description | <p>Main Solution:</p> <ul style="list-style-type: none">• The supplied data is accurately and clearly identified.• Provide dietary advice based on the facts gathered.• Analysis and maintenance of fitness based on the physical conditions of the user <p>Additional benefits:</p> <ul style="list-style-type: none">• Evaluation of dietary needs each day• carefully calculating daily nutrient intake. |
| 3. | Novelty / Uniqueness | <ul style="list-style-type: none">• The provision of fitness programs with bonuses• Home remedies and quick treatments for typical problems are recommended.• A diet customized to the demands and health situation of each individual.• Dietary flexibility is encouraged to promote a wholesome and fruitful eating regimen. |
| 4. | Social Impact / Customer Satisfaction | <ul style="list-style-type: none">• Healthy lifestyle development• Consistent calorie counting results in a fitness mindset. |

| | | |
|----|--------------------------------|--|
| 5. | Business Model (Revenue Model) | <ul style="list-style-type: none"> • Consultation with local trainers and nutritionists for individualized plans. • Adopt a certain diet while getting professional advice. • Market and sell nutritional supplements and exercise gear. • Promotion of medical centers and exercise centers |
| 6. | Scalability of the Solution | <ul style="list-style-type: none"> • Using user input data to expand data collection and improve accuracy • How to properly preserve a certain food. • Its user-friendly UI allows everyone to utilize it and benefit from it. |