

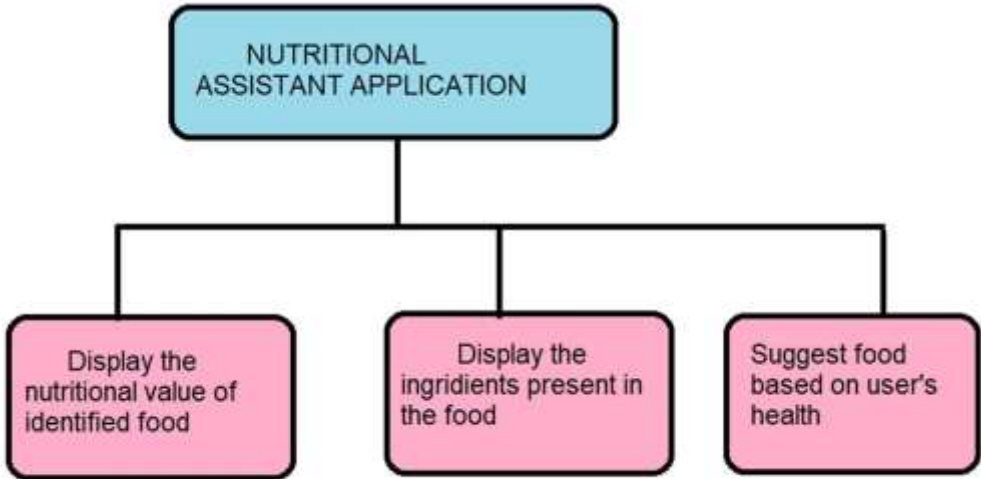
PROJECT DESIGN PHASE-I
PROPOSED SOLUTION TEMPLATE

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|---------------|---------------------------------|
| Date | 19 September 2022 |
| Team ID | PNT2022TMID39785 |
| Project Name | Nutrition Assistant Application |
| 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) | Due to the ignorance of healthy food habits, obesity rates are increasing at an alarming speed, and this is reflective of the risks to people's health. People need to control their daily calorie intake by eating healthier foods, which is the most basic method to avoid obesity. However, although food packaging comes with nutrition (and calorie) labels, it's still not very convenient for people to refer to Appbased nutrient dashboard systems which can analyze real-time images of a meal and analyze it for nutritional content which can be very handy and improves the dietary habits, and therefore, helps in maintaining a healthy lifestyle. |
| 2. | Idea / Solution description | This project aims at building a web App that automatically estimates food attributes such as ingredients and nutritional value by classifying the input image of food. Our method employs Clarifai's AI-Driven Food Detection Model for accurate food identification and Food API's to give the nutritional value of the identified food. |
| 3. | Novelty / Uniqueness | <input type="checkbox"/> Nutritional value for each ingredient is displayed. <input type="checkbox"/> Suggests food based on user's health condition. |
| 4. | Social Impact / Customer Satisfaction | <ul style="list-style-type: none">• This application is used to reduce obesity.• This application helps to lead a healthy life. |

| | | |
|----|-----------------------------------|--|
| 5. | Business Model (Revenue Model) |  <pre> graph TD A[NUTRITIONAL ASSISTANT APPLICATION] --> B[Display the nutritional value of identified food] A --> C[Display the ingredients present in the food] A --> D[Suggest food based on user's health] </pre> |
| 6. | Scalability of the Solution | This application is widely used by health conscious people and people who follow diet. |