

## Project Design Phase-I Proposed Solution

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|---------------|---|
| Date          | 12-10-2022  |
| Team Id       | PNT2022TMID00893                                      |
| Project Name  | AI-powered Nutrition Analyzer for Fitness Enthusiasts |
| Maximum Marks | 2 Marks   |

| S.NO | Parameter                                   | Description   |
|------|---|---|
| 1    | Problem Statement<br>(Problem to be solved) | Food is essential for human life and has been the concern of many healthcare conventions. Nowadays new dietary assessment and nutrition analysis tools enable more opportunities to help people understand their daily eating habits, exploring nutrition patterns and maintain a healthy diet. Nutritional analysis is the process of determining the nutritional content of food. |
| 2    | Idea / Solution<br>Description              | To track fitness level and Analyze the nutrition level of foods like fruits ,vegetables. It helps to identify the proportion of vitamins.   |
| 3    | Novelty/Uniqueness                          | The user can capture the images of different fruits and then the image will be sent the trained model. The model analyses the image and detect the nutrition based on the fruits like (Sugar, Fibre, Protein, Calories, etc.).  |
| 4    | Business model<br>(Revenue Model)           | Low expenditure ,easy to follow without affecting their personal time.  |
| 5    | Social impact/Customer<br>Satisfaction      | By using this system, the users can predict and analyze the picture of the fruits and foods. In which it results to the visualizing the description of the foods taken as input.  |
| 6    | Scalability of the<br>solution              | By implementing this system, the people can efficiently and effectively to gain knowledge about the fitness.They want and they wish to use at anytime. This system can also be integrated with the future technologies.   |