

## Project Design Phase-I

### Proposed Solution

Page | 1

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|---------------|-----------------------------------------------------------------|
| Date          | 10 AUGUST 2022                                                  |
| Team ID       | PNT2022TMID07703                                                |
| Project Name  | Project - AI-powered Nutrition Analyzer for Fitness Enthusiasts |
| Maximum Marks | 2 Marks                                                         |

### Proposed Solution:

| S.No: | Parameter                                | Description                                                                                                                                                                                                                                                                                                                                                                         |
|-------|------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1.    | Problem Statement (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 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                  | Here 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. | Social Impact / Customer Satisfaction | This project is very helpful to People. Everyone Maintaining their own diet, Low expenditure and to manage the time.                                                                                                                |
| 5. | Business Model (Revenue Model)        | 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 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.                                                                             |