

Project Design Phase-I
Proposed Solution

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| Date | 22 october 2022 |
| Team ID | PNT2022TMID25831 |
| Project Name | Project - AI-powered Nutrition Analyzer for Fitness Enthusiasts |
| Maximum Marks | 2 Marks |

Proposed Solution:

| S.No. | Parameter | Description |
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| 1. | Problem Statement (Problem to be solved) | To build a model which is used for classifying the fruit which depends on different characteristics like colour, shape, texture etc. |
| 2. | Idea / Solution description | Proper nutrition can improve health, help manage weight, reduce the risk of disease, strengthen bones and muscles and improve ability to do every day activities. |
| 3. | Novelty / Uniqueness | It is important to be fit so as to feel and function better day to day. |
| 4. | Social Impact / Customer Satisfaction | A healthy diet increases confidence , peer acceptance, leadership skills and empathy and also promotes sports and physical activity. It also build and optimize the relationships and interaction with others. The system is also user friendly and also cost efficient. |
| 5. | Business Model (Revenue Model) | By using the system, users can get the information regarding the nutrient contents of the food just by capturing the picture of the food. The colour shape and texture of the food item is analysed and recognized by the system and outputs the necessary dietary information and benefits to the user. The system is user friendly and is also accessible to everyone. |
| 6. | Scalability of the Solution | It offers 24/7 support and also food recommendation. It also promotes healthy eating habits. It also analyses the food by capturing a picture. The application can be used anytime in the convenience to the user. |