# Project Design Phase-I
# Proposed Solution Template

| | |
|---|---|
| Date | 1 OCTOBER 2022 |
| Team ID | PNT2022TMID38600 |
| Project Name | AI - Powered Nutrition Analyzer For Fitness Enthusiasts |
| Maximum Marks | 2 Marks |

| S.No. | Parameter | Description |
|---|---|---|
| | Problem Statement (Problem to be solved) | <ul><li>Nutritional analysis is the process of determining the nutritional content of food. It is a vital part of analytical chemistry that provides information about the chemical composition, processing, quality control and contamination of food.</li><li>The main aim of the project is to build a model which is used for classifying the fruit depending on the different characteristics like color, shape, texture etc.</li><li>Here the user can capture the images of different fruits and then the image will be sent the trained mode</li></ul> |
| | Idea / Solution description | Clear and proper identification of the given input data. Provide nutritional facts based on the obtained data. Fitness analysis and maintenance as per the user's body conditions<br><br>● Additional Benefits<br>    1.Water level monitoring<br>    2.Sleep cycle monitoring<br>    3.Health Condition Monitoring |
| | Novelty / Uniqueness | <ul><li>An individualized food plan based on health condition and deficiency.</li><li>Allowing for diet flexibility helps promote a healthy and effective eating pattern.</li><li>Reminder about allergic food and daily water consumption</li></ul> |
| | Social Impact / Customer Satisfaction | <ul><li>Developing a health conscious Society by providing information about day to day consumption of food</li><li>It improves quality human life</li></ul> |

| | | |
|---|---|---|
| | Business Model (Revenue Model) | ● Additional features for premium users<br>● Advertise and offer nutritional supplements and fitness gear<br>● Promotion for fitness centers and hospitals. |
| | Scalability of the Solution | ● Improving accuracy by expanding the data collection using user input data<br>● Storage requirements of a specific food.<br>● User friendly UI for everyone to use and get benefit from it |