

# Project Design Phase-I

## Proposed Solution Template

**TEAM ID:** PNT2022TMID38280

**PROJECT NAME:** AI - Powered Nutrition Analyser For Fitness Enthusiasts.

**TEAM LEADER:** JAYACHITRA M

**TEAM MEMBERS:** DHANALAKSHMI S, SANTHANALAKSHMI M, ANITHA R.

### 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)	<ul style="list-style-type: none"><li>• The absence of balanced food and nutrition security leads to health problems such as diabetes, obesity, and malnutrition.</li><li>• So we have to take adequate amounts of energy, proteins, vitamins, minerals, essential fats, micro and macronutrients.</li><li>• This will done by using nutrition analyser app.</li><li>• This app helps us to find the nutrition, vitamin and mineral content in the food.</li></ul>
2.	Idea / Solution description	<ul style="list-style-type: none"><li>• Image classification is done by using Support Vector Machine (SVM) and Convolutional Neural Network (CNN).</li></ul>
3.	Novelty / Uniqueness	<ul style="list-style-type: none"><li>• Convolutional Neural Network (CNN) and Support Vector Machine (SVM) is used in this system.</li></ul>
4.	Social Impact / Customer Satisfaction	<ul style="list-style-type: none"><li>• Friendly UI design and Easy to operate.</li></ul>
5.	Business Model (Revenue Model)	<ul style="list-style-type: none"><li>• It will increases the life span of the Users. It will provides the healthy life.</li></ul>
6.	Scalability of the Solution	<ul style="list-style-type: none"><li>• The scalability of the solution is how the image of the food is classified accurately.</li></ul>