

Project Design Phase-I
Proposed Solution Template

Date	08 October 2022
Team ID	PNT2022TMID09928
Project Name	AI-Powered Nutrition Analyser for Fitness Enthusiasts
Maximum Marks	2 Marks

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)	Fitness enthusiasts who are not able to take sufficient Diet plans and Workout plans or who are not sure which would be a good choice for them. The main issue is fitness freaks work more but do not get proper nutrition plans which lead to incomplete metabolism and causes lack of progress.
2.	Idea / Solution description	<ul style="list-style-type: none">• To create a fitness tracker which motivates users to track their diet and follow their diet without the eventual abatement.• The classification of foods and diets is planned to be based on convolutional Neural Network. Primarily, the model is trained using a training data set of several foods and workouts along with Diet plans and Workout Plans to be able to accurately measure the calories, sugar, fibre and proteins present in a particular Diet plan.• Furthermore, based on the plans chosen by the user, real time processing is done, enabling the user to stick to the workout plans and the diet plan and making sure the user can get the best from the personalized website.
3.	Novelty / Uniqueness	<ul style="list-style-type: none">• Enabling users to add personal data like foods, workouts, diet plans, workout plans, and guidance on personalized nutrition suggestions for individuals.• Know your foods: nutrition, fat, sodium, sugar, calories for every food you intake.

4.	Social Impact / Customer Satisfaction	<ul style="list-style-type: none"> • Expected results without outpacing the body • Build Endurance Gradually • Rich metabolism levels.
5.	Business Model (Revenue Model)	<ul style="list-style-type: none"> • Product promoted by social media influencers to attain a better profit. • Premium plans for users to connect directly with a gym coach and get more personalized nutrition suggestions and clarification on nutrition-related queries.
6.	Scalability of the Solution	<p>Get food recommendations with the right data</p> <ul style="list-style-type: none"> • Food according to your food type (Vegan, Non, Egg, Fish, Flex) • View various workout plans of different users and choose if you are not sure with what suits yours.