

Project Design Phase-I
Proposed Solution Template

Date	22 September 2022
Team ID	PNT2022TMIDxxxxxx
Project Name	AI-powered Nutrition Analyzer 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)	<ul style="list-style-type: none">• Lack of appetite, or decreased hunger, is one of the most troublesome nutrition problems you can experience.• Many people become frustrated when they know they need to eat to get well but they aren't hungry.• when they gain weight because they are fatigued and unable to exercise.• Your illness, medicines or surgery can cause these problems.
2.	Idea / Solution description	<ul style="list-style-type: none">• Walk or participate in light activity to stimulate your appetite.• The approach works on the inputs of a colour image. Then resize the image to extract features using pretrained convolutional neural network. After that it classifies feature using Multiclass SVM. Finally, the results are shown to the user, including the type of diet, Meal guideliness and weightloss.
3.	Novelty / Uniqueness	<ul style="list-style-type: none">• It stores the data for future use
4.	Social Impact / Customer Satisfaction	<ul style="list-style-type: none">• It is easy to access as everyone is using mobile phone now-a-days.• It is ad free as it does not cause interruption while checking their details.• It is highly secured and the data are not delivered to third persons.

5.	Business Model (Revenue Model)	<ul style="list-style-type: none"> • It will be very useful for the customers to use this app.
6.	Scalability of the Solution	<ul style="list-style-type: none"> • This proposed approach is simple and fast. • It does not require expensive equipment's other than a mobile phone. • It can be used by Physician Nutrition Specialist. When they found difficulties in people's diet while they can't follow in proper manner by providing meal and weight loss or gain guideliness.