Project Design Phase-I
Proposed Solution Template

Team ID	PNT2022TMID05585
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)	AI-Powered Nutrition Analyzer For Fitness Enthusiasts.
2.	Idea / Solution description	The proposed solution is to classify the fruits using CNN based model and detect the nutrition based on the fruit (like sugar ,calories ,fibre ,protein ,etc)
3.	Novelty / Uniqueness	For detecting the nutrition more images are used to train which is very efficient than other methods for nutrition detection model.
4.	Social Impact / Customer Satisfaction	By this model the customer can efficiently keep track of their health and accordingly get required consultations in a less time consuming manner.
5.	Business Model (Revenue Model)	- Input module - Image pre processing and segmentation module - Feature extraction module - Data set training module - Nutrition level estimation API module - Suggestion module
6.	Scalability of the Solution	The accuracy of the result for the training data set is 99% .We can build a large data set which includes different fruit images to get a better result.