

Project Design Phase-I
Proposed Solution Template

Date	9 October 2022
Team ID	PNT2022TMID00461
Project Name	Project – 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)	The main aim of the project is to building a model which is used for classifying the fruit depends on the different characteristics like colour, shape, texture etc. Here the user can capture the images of different fruits and then the image will be sent the trained model. The model analyses the image and detect the nutrition based on the fruits like (Sugar, Fibre, Protein, Calories, etc.)
2.	Idea / Solution description	To accomplish this ,the first step is to collect the dataset or create the dataset. The second step is image preprocessing in which the imagedatagenerator library is being imported and it's functionality is being applied to Trainset and Testset. The third step is Model Building in which the model building Libraries are being imported. Add CNN layers ,Hidden Layer and Output Layer . Then Configure the Learning Process .If your appetite and taste have affected by illness.
3.	Novelty / Uniqueness	These constructs in health promotion to illness.
4.	Social Impact / Customer Satisfaction	Visualization of food appearance .

5.	Business Model (Revenue Model)	Business model is the operational and transaction.
6.	Scalability of the Solution	Malnutrition is a global health crisis