Project Design Phase-I
Proposed Solution Template

Date	21 October 2022
Team ID	PNT2022TMID06002
Project Name	AI-Powered Nutrition Analyzer for Fitness Enthusiasts
Maximum Marks	2Marks

Proposed Solution :

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	The main goal of the project is to building a model which is used for explaining the fruit depends on the different methods characteristics like colour, shape, texture etc.
2.	Idea/Solution description	Brand-new fruit implementing method called HPA-SLFN can be implemented for classification as it gives good results when compared to that techniques.
3.	Novelty/Uniqueness	The type performance and accuracy for the analyses of image and detection rate of the nutrition based on the fruits is higher.
4.	Social Impact/ Customer Satisfaction	Here the user can capture the images of different fruits and then the pictures 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.) .

5.	Business Model(Revenue Model)	• Data analytics • Statistics methods • Future analysis
6.	Scalability of the Solution	The model is scalable from the architecture and data set training perspective. We can train massive amounts of image data by converting them into .npy / .npz file format which would facilitate easy storing, retrieving, and processing.