

Project Design Phase-I
Proposed Solution Template

Date	24 September 2022
Team ID	PNT2022TMID44123
Project Name	AI-powered Nutrition Analyzer for Fitness Enthusiasts
Maximum Marks	2 Marks

Proposed Solution Template:

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	Various health issues faced by the human beings is due to the lack of nutrition present in their food .When human realised this things they started to eat nutritious food and then human started to eat specific food for specific nutrition. But here is the problem that humans don't know, what are the nutrition present in the food? and in what quantity?. If they want to know the nutrition and quantity, they need a solution.
2.	Idea / Solution description	The solution is AI powered nutritional analyser. This is the application in which the user can capture the fruit clearly and upload as input then the picture is pre-processed and sent into the DL model which is made by Convolutional Neural Network through that the image is recognized as the definite fruit and the name is searched in the search engine as nutrients present in the fruit then the result is showed to the user as nutrients present in the fruit.
3.	Novelty / Uniqueness	The uniqueness of the application is, we don't need to create the dataset for the different datasets for different fruits. Instead of that , the name of the fruit is searched in the search engine and then showed to the user as output.
4.	Social Impact / Customer Satisfaction	This app makes the user happy and it saves time and money. Because if a person need to maintain his/her diet he/she need to consult a doctor or nutritionist. This app avoids the need for the third person and the money spent on them.
5.	Business Model (Revenue Model)	This kind of app has more demand in the market. We provide the app for free with advertisement and we can also give then for subscription.

6.	Scalability of the Solution	This application is scalable, user can get the subscription if he/she uses more, if the use is less , then they can use the free version. There are monthly, bi-annual or annual subscriptions.
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