

## Project Design Phase-I – Problem Solution Fit

**Project Title:** AI-powered Nutrition Analyzer for Fitness Enthusiasts

**Team ID:** PNT2022TMID36454

<b>3. TRIGGERS</b> What triggers customers to act?  The challenges they have to overcome the food intake and to have proper knowledge about classifying the foodthey have according to the diet plans are the main challenges for the customers as well as the trainers.	<b>TR</b>	<b>10. YOUR SOLUTION</b>  The main aim of the project is to build a model which is used for identifying the fruit depends on the different characteristics like color, shape, texture etc., using image processing. Here the user cancapture the images of different fruits and then the image will be analyzed with the trained model. The model analyses the image andlists out the nutrients present in the fruit like sugar, vitamins, minerals, protein etc.	<b>SL</b>	<b>8. CHANNELS of BEHAVIOUR</b>  <b>8.1 ONLINE</b> Feedback is enough  <b>8.2 OFFLINE</b> Feedback is enough	<b>CH</b>
<b>4. EMOTIONS: BEFORE / AFTER</b> How do customers feel when they face a problem or a job and afterwards?  Artificial intelligence (AI) can be used to predict investment outcomes quickly and effectively, as well as to devise strategies or establish long-termgoals. Scalable AI pertains to how data models, infrastructures, and algorithms can increase or decrease their complexity, speed, or size at scale in order to best handle the requirements of the situation at hand. As improvements continue with data storage capacities as well as computing resources, AI models can be created with billions of parameters. Scaling up nutrition is a global push for action and investment to improve maternal, child nutrition and various health problems. So customers can find it more easier to have an api .	<b>EM</b>				

1. CUSTOMER SEGMENT(S)

Who is your customer?  
Our customers are the people who are looking forward to have a nutrition analyzer l

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6. CUSTOMER CONSTRAINTS

What constraints prevent your customers from taking action or limit their choices of solutions? i.e. spending power, budget, no cash, network connection, available devices.

The Main thing is customers are always eager to know togo with the easy path. So, for them analyzer and its techniques are always hidden which may prevent them from having a knowledge in that

5. AVAILABLE SOLUTIONS

Which solutions are available to the customerswhen they face the problem

They can just upload the image of any random food, our algorithm which is already trained will have some trained data set and with the help of the trained datasets we will able to help the customers about the nutritious facts.

2. JOBS-TO-BE-DONE / PROBLEMS

Huge amount of different forms of data to be examined trained and tested before hosting it as an API for the customers to make that in easy way for analyzing the nutritious diet.

9. PROBLEM ROOT CAUSE

The main problem is customers always expect things to happen so quickly so with their approach we need to develop model according to the customer feedback

7. BEHAVIOUR

What does your customer do to address the problem and get the job done?

Customer has to report their experience in using our API, they have full rights to giver feedback which may be positive or negative.