

Project Initialization and Planning Phase

Date	15 September 2024
Team ID	739652
Project Name	Ai-Powered Nutrition Analyzer For Fitness Enthusiasts
Maximum Marks	3 Marks

Define Problem Statements

Problem Statement:

The Issue: Fitness enthusiasts often face difficulties in creating balanced and effective nutrition plans tailored to their goals. Without personalized guidance, they may struggle to meet their specific dietary needs. Real-time tracking and tailored recommendations are essential for optimizing diet and achieving fitness objectives. The lack of such a comprehensive solution can hinder progress and overall health.

Objective: The objective of the AI-Powered Nutrition Analyzer is to empower fitness enthusiasts with personalized, data-driven nutrition solutions. It aims to provide real-time insights and recommendations to optimize diets for specific fitness goals. By analyzing individual preferences and nutritional needs, it helps users make informed dietary choices for better performance, recovery, and overall well-being.

Define CS, fit into CC	1. CUSTOMER SEGMENT(S) CS People who wish to stay fit and live a healthy lifestyle.	6. CUSTOMER CONSTRAINTS CC Our customers are unable to access our solution due to network issues and network faults, since there are no other limits because our solution is an application.	5. AVAILABLE SOLUTIONS AS Exercise is an existing solution. Aerobics and Yoga Pros: The aim is to develop fitness habits that lead to long-term lifestyle changes and long-term improvements in health and well-being. Cons: Time consumption is increased, and there are no adequate instructions based on the user's health situation.	Explore AS, differentiate
	2. JOBS-TO-BE-DONE / PROBLEMS J&P We provide nutritional information about the foods they eat on a daily basis. Thereby providing fitness to the masses and assisting them in staying healthy.	9. PROBLEM ROOT CAUSE RC The main cause of this problem is a lack of nutrition. Improper nutrition and a lack of regular exercise create a number of diseases, making it difficult to live a healthy life.	7. BEHAVIOUR BE Customers that have health care, dietary, or fitness concerns will be listed in the chatbox. When you first log in. Customers contribute information about their health state. A solution will be provided after an analysis of the customer's situation.	
Focus on J&P, tap into BE, understand RC	3. TRIGGERS TR The customer will be driven to utilise our application after continual advertising of our application and hearing feedback from their friends and neighbours.	10. YOUR SOLUTION SL Calories tracking is a key component in all fitness programmes that aids in illness prevention, so regular people can utilise it. The instructor displays the specific fruits calories and offers guided guidance so that the users may execute them correctly.	8. CHANNELS of BEHAVIOUR CH 8.1 ONLINE The programme is accessed by scanning the fruit and providing nutritional information.	Extract online & offline CH of BE
	4. EMOTIONS: BEFORE / AFTER EM Customers would experience insecurity and poor health prior to using our application. Customers that use our application report improved health and increased self-motivation.		8.2 OFFLINE The user will perform physical activities based on the nutritional information.	
Identify strong TR & EM				

Example:

Problem Statement (PS)	I am (USER)	I'm trying to	But	Because	Which makes me feel
PS-1	Give image as input	Check the healthy facts in fruit	In take good food that gives immunity to our body	To get more fit	Intake of good fruits