**Project Title: AI-powered Nutrition Analyzer for Fitness Enthusiasts Project Design Phase-I** - **Solution Fit Template Team ID:** PNT2022TMID43392

**Focus on J&P, tap into BE, understand RC**

**Explore AS, differentiate**

**Deﬁne CS, ﬁt into CC**

**AS**

**5. AVAILABLE SOLUTIONS**

Customer can instantly identify the nutrition by uploading their own fruit image

The model is restricted to only fruits and its nutritional values

**CS**

**6. CUSTOMER CONSTRAINTS**

**1. CUSTOMER SEGMENT(S)**

People belonging to any age group who wish to follow a nutritious diet plan

**Explore AS, differentiate**

**Define CS, fit into CC**

**BE**

**7. BEHAVIOUR**

Find the correct fruit for them according to the nutritional value

**RC**

**9. PROBLEM ROOT CAUSE**

Nutritional intake in foods needs to be monitored because of the increase in health issues. Also, nutrition intake is mandatory to maintain fitness

**J&P**

**2. JOBS-TO-BE-DONE / PROBLEMS**

To build a model for classifying the fruits depending on the different characteristics such as colour, shape, texture etc. and to detect the nutrition based on the fruits like (Sugar, Fibre, Protein, Calories, etc.)

**Focus on J&P, tap into BE, understand RC**

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| --- | --- | --- | --- | --- |
| **Identify strong TR & EM** | **3. TRIGGERS TR**  An unhealthy person who wishes to change their diet and consume nutritious food according to their health | **10. YOUR SOLUTION SL**  To train a model that classify the fruits based on their characteristics and finally outputs the nutritional values, like sugar, fibre etc., using deep convolutional layer. | 1. **CHANNELS of BEHAVIOUR CH**     1. **ONLINE**   They can choose the fruits according to their diet preferences   * 1. **OFFLINE**   They can follow the preferred results to improve their fitness |  |
| **4. EMOTIONS: BEFORE / AFTER EM**  Before: Confusion over the classification of fruits that they have to take appropriately  After: Lucid idea regarding the intake of fruits |