

## Project Design Phase-I Solution Fit Template

Team ID	PNT2022TMID51161
Project Name	AI-powered Nutrition Analyzer for Fitness Enthusiasts

Define CS, fit into CC	<b>1. CUSTOMER SEGMENT(S)</b> <span>CS</span> <p>Everyone from kids to adults can use this app. Can use this app, everyone gets a chance to know and eat the nutrients in their daily food</p>	<b>6. CUSTOMER CONSTRAINTS</b> <span>CC</span> <p>User interface design is the process designers use to build interfaces in software or computerized devices, focusing on looks or style. Designers aim to create interface which users find easy to use pleasurable . UI design refers graphical user interface and other forms.</p>	<b>5. AVAILABLE SOLUTIONS</b> <span>AS</span> <p>Capsule Neural network alternatively We used Convolution Neural Network.</p> <p><b>Merits:</b>It automatically detects the image without human supervision.  <b>Demerits:</b> Lots of training data set is required.</p>	Explore AS, differentiate
	<b>2. PROBLEMS</b> <span>J&amp;P</span> <p>Food is essential to human life and is the concern of many health traditional. Nowaday new food evaluation and nutritional analysis tools are used by people in their daily life but all these only capture the nutrients and deficiencies in the food</p>	<b>9. PROBLEM ROOT CAUSE</b> <span>RC</span> <ul style="list-style-type: none"> <li>To ensure peoples nutrition</li> <li>Adulteration in food products</li> <li>Lack of fake application</li> <li>Lack of incorrect training</li> </ul>	<b>7. BEHAVIOUR</b> <span>BE</span> <p>Peoples always think of their hydrated body maintenance And concentrate on the fitness &amp; nutrition</p>	
Identify strong TR & EM	<b>3. TRIGGERS</b> <span>TR</span> <p>This app uses CNN algorithm to analysis the images in the best way so that all the food images are analysis in the best way and highlight the nutrients in them</p>	<b>10. YOUR SOLUTION</b> <span>SL</span> <p>AI powered nutrition analyzer for fitness enthusiasts. We are creating an app that makes it easy for people to find out the nutritional benefits and drawbacks of the nutrients in the food they eat in their daily lives. It also includes how much food people should consume using this app.</p>	<b>8. CHANNELS of BEHAVIOUR</b> <span>CH</span> <p>1. ONLINE We notify the information about of food in application</p>	Extract online & offline CH of BE
	<b>4. EMOTIONS: BEFORE / AFTER</b> <span>EM</span> <p>The nutrition app used by people in their daily life only tells people's dietary habits and nutrition in food  After applying our solution ,what food people should take in their daily life , the nutrition in that food and benefits and disadvantage of eating that food the maximum amount of that particular food should be consumed . And recommend foods to suit people's health</p>		<p>8.2 OFFLINE You are offline the application show last information about the food</p>	