

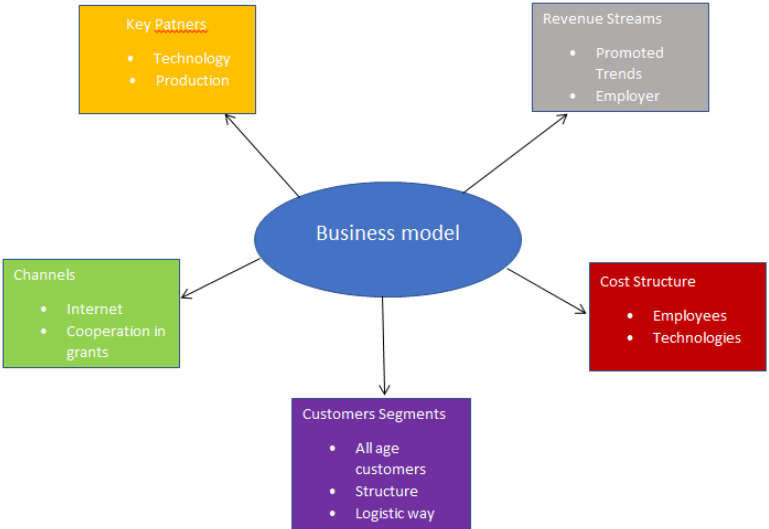
**Project Design Phase-I**  
**Proposed Solution Template**

<b>Date</b>	25 September 2022
<b>Team ID</b>	PNT2022TMID49469
<b>Project Name</b>	AI-Powered Nutrition Analyzer For Fitness Enthusiasts
<b>Team Leader</b>	Mugeshkumar M
<b>Team Mates</b>	Manikandaprabhu M, Arun O, Aravidh M
<b>Maximum Marks</b>	2 Marks

**Proposed Solution Template:**

Project team shall fill the following information in proposed solution template.

<b>S.No.</b>	<b>Parameter</b>	<b>Description</b>
1.	Problem Statement (Problem to be solved)	AI-Powered Nutrition Analyzer For Fitness Enthusiasts
2.	Idea / Solution description	We are creating one web application using flask. The main aim of the project is to building a model which is used for classifying thefoods depends on the different characteristics like colour, shape, texture etc. Here the user can capture the images of differents fruits and vegetable and then the image will be send the trained model .the trained model analyses the image and detect the nutrition , advantage and problem .
3.	Novelty / Uniqueness	Image detection using <b>Convolutional Neural Network Algorithm</b>
4.	Social Impact / Customer Satisfaction	Food is essential for human life and has been the concern of many healthcare conventions .Now a days new dietary assessment and nutrition analysis tools enable more opportunities to help people understand their daily eating habits, exploring nutrition patterns and maintain a healthy diet. This app is very useful for users to keep their body healthy. And the application act as a advisor.

5.	Business Model (Revenue Model)	 <pre> graph TD     BM((Business model))     KP[Key Patners • Technology • Production]     RS[Revenue Streams • Promoted Trends • Employer]     CH[Channels • Internet • Cooperation in grants]     CS[Cost Structure • Employees • Technologies]     CSeg[Customers Segments • All age customers • Structure • Logistic way]      BM --&gt; KP     BM --&gt; RS     BM --&gt; CH     BM --&gt; CS     BM --&gt; CSeg           </pre> <p>The diagram illustrates the Business Model Canvas. A central blue oval labeled "Business model" is connected by arrows to five surrounding boxes: "Key Patners" (yellow, top-left), "Revenue Streams" (grey, top-right), "Channels" (green, middle-left), "Cost Structure" (red, middle-right), and "Customers Segments" (purple, bottom). Each box contains specific details related to that business model component.</p>
6.	Scalability of the Solution	<p>By using this app people can consume nutrition food in daily life . As the number of the users of this app increase , the owner income increases</p>