Project Design Phase-I Proposed Solution

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| Date | 19 September 2022 |
| Team ID | [IBM-Project-11470-1659330202](https://github.com/IBM-EPBL/IBM-Project-11470-1659330202) |
| Project Name | Project – Nutrition Assistant Application |
| Maximum Marks | 2 Marks |

**Proposed Solution Template:**

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

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| **S. No.** | **Parameter** | **Description** |
| 1. | Problem Statement (Problem to be solved) | This project aims at building a web App that automatically estimates food attributes such as ingredients and nutritional value by classifying the input image of food. |
| 2. | Idea / Solution description | User interacts with the Web App to Load an image.  The image is passed to the server application, which uses Clarifai's AI-Driven Food Detection Model Service to analyze the images and Nutrition API to provide nutritional information about the analyzed Image.  Nutritional information of the analyzed image is returned to the app for display. |
| 3. | Novelty / Uniqueness | Our system offers automated personalized visual feedback and recommendations based on individual dietary behaviour, phenotype, and preferences. By using quantitative |

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|  |  | and qualitative measures of 34 participants during a study of 2–3 months, we provide a deeper understanding of how our nutrition application affects the users’ physique, nutrition behaviour, system interactions and system perception. |
| 4. | Social Impact / Customer Satisfaction | It will be helpful for many patients and people who are unable to visit hospitals for small reasons. |
| 5. | Business Model (Revenue Model) | Wellness and healthy lifestyles have become mainstream. Interest in fitness applications and revenue from them grow as fast as the number of people striving to be fit. |
| 6. | Scalability of the Solution | Thus, the solution becomes 97% scalable in reducing the effort of the individuals. |