**Project Design Phase**

**Proposed Solution Template**

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| Date | 15 February 2025 |
| Team ID | **LTVIP2025TMID34308** |
| Project Name | **Grain Palette –A Deep Learning Odyssey in Rice Type Classification Through Transfer Learning** |
| Maximum Marks | 2 Marks |

**Proposed Solution Template:**

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

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| **S.No.** | **Parameter** | **Description** |
|  | Problem Statement (Problem to be solved) | We are given a rice type classification application which is used to classify different rice grains which will benefit people |
|  | Idea / Solution description | We are going to use a web 3 interface of flask, mobileNet V3 and Kaggle rice dataset to train the model and build the app |
|  | Novelty / Uniqueness | This application is trained with over 25 thousand images and also gives tips for different grain to grow with good yield |
|  | Social Impact / Customer Satisfaction | Customers have positively rated the app, from testing phase and they are satisfied with the overall working and utility of the developed application |
|  | Business Model (Revenue Model) | This is not mainly made for revenue, but we can plan an annual pricing plan to make the website run using global servers |
|  | Scalability of the Solution | This application can be used by anyone with a mobile/laptop so it is largely scalable and has big scope. |