Project Design Phase
Proposed Solution Template

Date	28/06/2025
Team ID	LTVIP2025TMID33116
Project Name	GrainPallett-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.

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	The accurate classification of rice types is critical in agriculture, food processing, and trade, as different rice varieties possess
2.	Idea / Solution description	The model will learn key features from rice grain images to correctly identify their type.
3.	Novelty / Uniqueness	It enables fast and consistent classification, reducing dependence on human expertise.
4.	Social Impact / Customer Satisfaction	Improved quality control: Helps businesses meet customer expectations and regulatory standards more easily
5.	Business Model (Revenue Model)	Development and continuous improvement of the model.
6.	Scalability of the Solution	If you plan to support many more rice varieties or handle regional variants, your dataset may need to grow substantially.