Project Initialization and Planning Phase

Date	7 July 2024
Team ID	SWTID1720078167
Project Name	Rice Type Classification using CNN
Maximum Marks	3 Marks

Define Problem Statements (Customer Problem Statement Template):

The current method of classifying rice types based on physical appearance alone is troublesome because it often leads to errors and inconsistencies. This can result in mislabelled products, customer dissatisfaction, and challenges in meeting market demands effectively. Our solution involves developing a model that accurately classify different rice types such as Basmati, Jasmine, Arborio, Karacadag , and Ipsala. This approach ensures precise labelling, better quality control, and enhanced customer satisfaction. Ultimately, our solution aims to streamline the classification process, reduce errors, and provide farmers, distributors, and consumers with reliable information about the rice they are dealing with, thereby improving overall efficiency and market competitiveness in the rice industry.

I am	I'm trying to	But	Because	Which makes me feel
a consumer	accurately identify the type of rice I have	find it difficult to distinguish between varieties by appearance alone	I want to ensure I'm purchasing the right variety for my needs	frustrated and uncertain.

Problem Statement (PS)	I am (Customer)	I'm trying to	But	Because	Which makes me feel
PS-1	a consumer	accurately identify the type of rice I have	find it difficult to distinguish between varieties by appearance alone	I want to ensure I'm purchasing the right variety for my needs	frustrated and uncertain

I am	I'm trying to	But	Because	Which makes me feel
a rice farmer	accurately identify the type of rice I have	find it difficult to distinguish between varieties by appearance alone	I need to ensure proper labeling and marketing of my crops	anxious.

Problem Statement (PS)	I am (Customer)	I'm trying to	But	Because	Which makes me feel
PS-2	a rice farmer	accurately identify the type of rice I have	find it difficult to distinguish between varieties by appearance alone	I need to ensure proper labelling and marketing of my crops	anxious