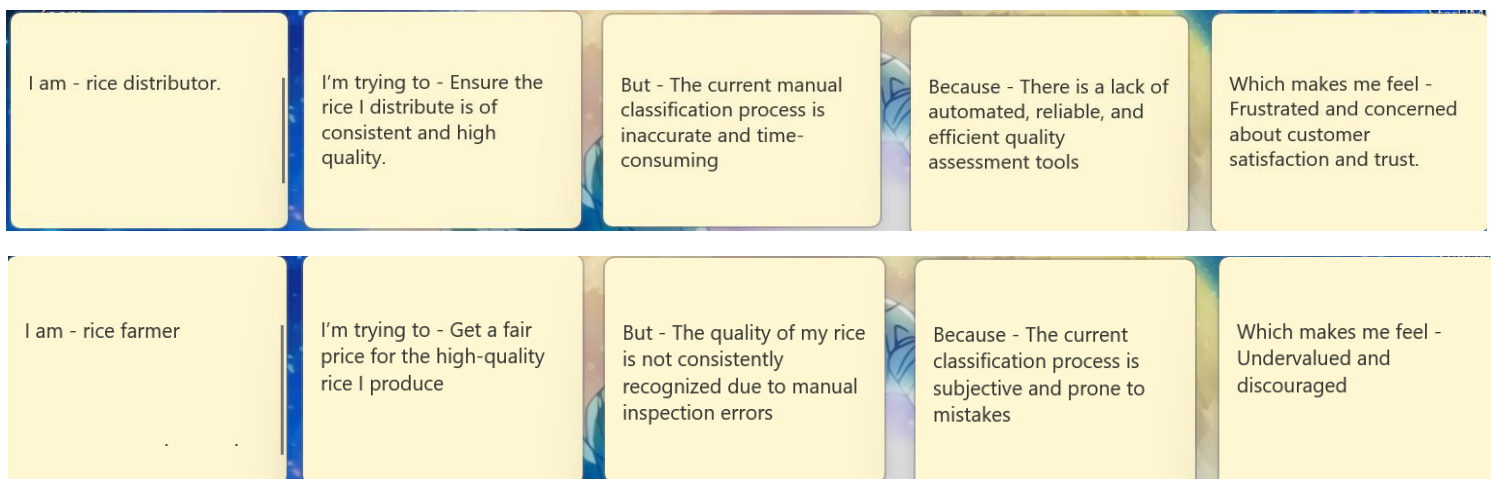


Project Initialization and Planning Phase

Date	10 July 2024
Team ID	SWTID1720085076
Project Name	Rice Type Classification using CNN
Maximum Marks	3 Marks

Define Problem Statement

The current process for rice quality assessment poses significant challenges, impacting customer trust and overall satisfaction. Farmers and distributors, especially those in regions where rice quality varies significantly, face issues such as inaccurate classification due to manual inspection and a tedious, error-prone evaluation process. These challenges result in a suboptimal customer experience, potentially diminishing trust and satisfaction. To enhance our services and improve customer perceptions, we aim to address these pain points. By understanding specific frustrations in the rice classification process and implementing advanced solutions, such as Convolutional Neural Networks (CNNs), we can create an accurate, efficient, and user-friendly assessment system that meets customer expectations and fosters a positive relationship with our brand.



Problem Statement (PS)	I am (Customer)	I'm trying to	But	Because	Which makes me feel
PS-1	rice distributor.	Ensure the rice I distribute is	The current manual classification process	There is a lack of automated,	Frustrated and concerned about

		of consistent and high quality.	is inaccurate and time-consuming.	reliable, and efficient quality assessment tools.	customer satisfaction and trust.
PS-2	rice farmer	Get a fair price for the high-quality rice I produce	The quality of my rice is not consistently recognized due to manual inspection errors	The current classification process is subjective and prone to mistakes	Undervalued and discouraged