

Project Initialization and Planning Phase

Date	15 March 2024
Team ID	SWTID1720157891
Project Name	Rice Classification using CNN
Maximum Marks	3 Marks

Define Problem Statements (Customer Problem Statement Template):

In the agricultural sector, the accurate classification of rice grain types is crucial for ensuring quality control and optimizing sorting processes. Traditional methods often rely on manual inspection, which is labor-intensive, time-consuming, and prone to human error. To address these challenges, this project aims to develop an automated system for rice grain classification using deep learning techniques.

Create a problem statement to understand your customer's point of view. The Customer Problem Statement template helps you focus on what matters to create experiences people will love. A well-articulated customer problem statement allows you and your team to find the ideal solution for your customers' challenges. Throughout the process, you'll also be able to empathize with your customers, which helps you better understand how they perceive your product or service.

I am	Describe customer with 3-4 key characteristics - who are they?	Describe the customer and their attributes here
I'm trying to	List their outcome or "job" the user does - what are they trying to achieve?	List the thing they are trying to achieve here
but	Describe what problems or barriers stand in the way - what bothers them most?	Describe the problems or barriers that get in the way here
because	Enter the "root cause" of why the problems or barriers exist - what needs to be solved?	Describe the reason the problems or barriers exist
which makes me feel	Describe the emotions from the customer's point of view - how does it impact them emotionally?	Describe the emotions the result from experiencing the problems or barriers

Reference: <https://miro.com/templates/customer-problem-statement/>

Example:

I am a traveler	I'm trying to book flights on my phone	but it takes a long time	because the website is not responsive and doesn't have a mobile version	which makes me feel Frustrated
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Problem Statement (PS)	I am (Customer)	I'm trying to	But	Because	Which makes me feel
PS-1	Farmer	Get a good yield in my Rice Crop	Not able to do so	No proper quality of seeds	There is a huge need for good approach of selecting seeds
PS-2	Quality Inspector	Check the quality of Rice Grains	Not able to do so	No proper technology for segmentati on seeds	There is a huge need for good approach of selecting quality seeds