

Project Initialization and Planning Phase

Date	20 July 2024
Team ID	SWTID1720082030
Project Name	Hydration Essentials: Classifying Water Bottle Images
Maximum Marks	3 Marks

Define Problem Statements (Customer Problem Statement Template):

The manual classification of water bottle images in our project is a time-consuming and physically exhausting task. This process requires significant human effort to inspect, categorize, and label each image accurately. As a result, productivity is hindered, and the repetitive nature of the task leads to physical fatigue. To enhance efficiency and reduce the physical strain on team members, an automated solution for classifying water bottle images is needed. This solution should leverage advanced image recognition and machine learning techniques to accurately and swiftly classify images, thereby streamlining the workflow and alleviating the burden of manual classification.

I am	I'm trying to	But	Because	Which makes me feel
a User	Classify water bottle images based in their water levels	I can't do it by myself	Classifying many images manually takes time	Physically tired

Problem Statement (PS)	I am (Customer)	I'm trying to	But	Because	Which makes me feel
PS-1	a Customer	Classifying water bottle images based on their water bottle levels	I can't do it myself	Classifying manually takes time	Physically tired