Project Initialization and Planning Phase

Date	03 July 2024
Team ID	SWTID1720085445
Project Name	Hydration Essentials: Classifying Water Bottle Images
Maximum Marks	3 Marks

Define Problem Statements(Customer Problem Statement template):

With the increasing variety of water bottles available in the market, it has become challenging for consumers to quickly identify and choose the right product based on their preferences and requirements. The goal of this project is to develop an AI/ML model that can accurately classify images of water bottles into predefined categories, such as material type (plastic, metal, glass), size (small, medium, large), and specific features (insulated, non-insulated).

Customer Problem Statement Template

I am	I'm trying to	But	Because	Which makes me feel
Business Professional	find the perfect water bottle	Struggling to chose the right one	Too many reviews , Conflicting reviews	indecisive about which water bottle will best meet my needs.
Sports Person	tailored, efficient, and effective solution to select the best hydration options, ultimately supporting their athletic performance and health	Lack of Specific Information	Overwhelming Variety of options	frustrated and uncertain about making the right choice for his hydration needs.