Project Initialization and Planning Phase

Date	9 July 2024
Team ID	team-740110
Project Name	Precise Coffee Quality Prediction
Maximum Marks	3 Marks

Define Problem Statements (Customer Problem Statement Template):

Coffee farmers, roasters, and distributors are currently facing significant challenges in accurately and consistently assessing coffee quality. Traditional methods are subjective and vary greatly, leading to economic losses and customer dissatisfaction. Without a precise and reliable quality prediction system, the industry risks continued financial instability, loss of market reputation, and decreased customer trust. Our project aims to develop an advanced machine learning-based coffee quality prediction system that provides objective and consistent quality assessments, ensuring fair pricing, consistent product quality, and enhanced customer satisfaction.

I am	A coffee farmer who relies on accurate quality assessments to get a fair price for my coffee beans.
I'm trying to	Ensure that the quality of my coffee beans is assessed accurately and consistently.
But	The current methods are subjective and vary greatly between different experts.
Because	They rely too much on human expertise, which can be inconsistent.
Which makes me feel	Frustrated and uncertain about the true value of my crops.

Example:

Problem Statement (PS)	I am (Customer)	I'm trying to	But	Because	Which makes me feel
Inconsistent coffee quality assessments.	Coffee Farmer	Accurately assess the quality of my coffee beans	The current methods are subjective and inconsistent	They rely too much on human expertise	Frustrated and uncertain about the true value of my crops

Unreliable assessments risk my coffee quality and finances.	Coffee Roaster	Maintain a consistent quality of coffee products	I receive inconsistent quality assessments	The traditional methods are not reliable	Worried about losing customer trust and facing financial instability