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| --- | --- | --- | --- | --- |
|  | I am | | A coffee farmer who relies on accurate quality assessments to get a fair price for my coffee beans. | |
|  | Ensure that th accurately and | e quality of my coffee beans is assessed | |
|  |  | I'm trying to consistently. |
|  |  | |
|  | | e fe |  |
| The current m between dif | | thods are subjective and vary greatly But rent 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. |
|  |  | |

**Project Initialization and Planning Phase**

|  |  |
| --- | --- |
| Date | 9 July 2024 |
| Team ID | team-739821 |
| 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.

**Example:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Problem Statement (PS)** | **I am (Custome**  **r)** | **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 |