**Project Initialization and Planning Phase**

| Date | 12 April 2024 |
| --- | --- |
| Team ID | 144893 |
| Project Name | MangoNet Leaf Disease Detection |
| Maximum Marks | 3 Marks |

**Define Problem Statements (Customer Problem Statement Template):**

A mango farmer or agriculture expert is trying to accurately and quickly identify diseases on mango leaves. However, they lack the proper tools and technical expertise to do this effectively. The traditional method of visual inspection is prone to errors and depends heavily on expert intervention. As a result, the farmer feels anxious about potential crop losses and is uncertain about the appropriate treatment for the affected plants.

**Example:**

**A yellow square with black text

AI-generated content may be incorrect.**

# Customer Problem Statement Table

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Problem Statement (PS) | I am (Customer) | I’m trying to | But | Because | Which makes me feel |
| PS-1 | a mango farmer/agriculture expert | identify diseases on mango leaves accurately and early | I lack the tools or expertise to do so effectively | visual inspection is error-prone and requires expert knowledge | anxious about crop loss and unsure about appropriate treatment |
| PS-2 | an agriculture research student | build an accurate mango disease detection model | I don’t have access to large, labeled datasets or reliable tools | collecting and labeling agricultural image data is time-consuming and requires expert input | frustrated by the slow progress and limited accuracy |