 

**Project Initialization and Planning Phase**

|  |  |
| --- | --- |
| Date | 15 September 2024 |
| Team ID | 739949 |
| Project Name | Bird Species Classification |
| Maximum Marks | 3 Marks |

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

Bird species identification is a challenging task for researchers, conservationists, and bird enthusiasts. Traditional methods rely on manual identification, which is time-consuming, prone to human error, and requires expert knowledge. With the rise of machine learning and deep learning, automated classification systems can improve accuracy and efficiency.

|  |  |  |
| --- | --- | --- |
| Iam | Identify the user experiencing the problem. | A researcher, conservationist, or bird enthusiast. |
| I’m Trying to | Define the goal or task the user wants to accomplish. | Identify bird species accurately. |
| But | Describe the obstacle preventing success. | Traditional methods are time-consuming and require expert knowledge. |
| Because | Explain why the obstacle exists. | Manual identification is prone to human  error and inefficiency. |
| Which makes me  feel | Capture the emotional impact on the user. | Frustrated and in need of a more accurate and efficient solution. |

 

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Iam  Researcher | I’m trying to  Identify  birds | But  Time  -  consuming | Because  Human  error | Which makes  me feel  Frustrated |

**Example:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Problem Statement (PS)** | **I am (Customer)** | **I’m trying**  **to** | **But** | **Because** | **Which makes me feel** |
| PS-1 | Researcher | Identify birds | Time-consuming | Human error | Frustrated |
| PS-2 | Bird Enthusiast | Recognize bird species quickly | Limited knowledge | Misidentification | Disappointed |