**Ideation Phase**

**Define the Problem Statements**

| Date | 27th june 2025 |
| --- | --- |
| Team ID | LTVIP2025TMID42332 |
| Project Name | Enchanted Wings: Marvels of Butterfly Species |
| Maximum Marks | 2 Marks |

## Customer Problem Statements for Butterfly Species Recognition Project:

### ****Problem Statement (PS-1)****

I am a **field biologist or ecologist**  
I’m trying to **quickly and accurately identify butterfly species from photographs taken in natural environments**  
But **manual identification is difficult due to lookalike species, inconsistent image quality, and lack of immediate expert validation**  
Because **the classification process is time-intensive and requires deep taxonomic knowledge**  
Which makes me feel **frustrated, delayed in my work, and sometimes unsure about the reliability of my data**

### ****Problem Statement (PS-2)****

I am a **student or nature enthusiast interested in learning about butterflies**  
I’m trying to **use a digital tool to identify butterflies I capture in photos**  
But **most available solutions are either non-intuitive, require technical expertise, or depend on continuous internet access**  
Because **they are designed for professionals and not casual learners or offline use**  
Which makes me feel **excluded, overwhelmed, and unable to fully enjoy or engage in the learning experience**