

Ideation Phase
Define the Problem Statements

Date	27 th 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**