

**Project Design Phase-II**  
**Solution Requirements (Functional & Non-functional)**

Date	6 JUNE 2025
Team ID	LTVIP2025TMID34696
Project Name	Enchanted Wings: Marvels Of Butterfly Species
Maximum Marks	4 Marks

**Functional Requirements:**

Following are the functional requirements of the proposed solution.

FR No.	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-1	User Registration	Registration through Form Registration through Gmail Registration through LinkedIN
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	Image Upload & Classification	Upload butterfly image Preprocess and send image to model Show predicted species and confidence score
FR-4	Results Dashboard	Display prediction results with species info Option to save/share the result Access prediction history

**Non-functional Requirements:**

Following are the non-functional requirements of the proposed solution.

FR No.	Non-Functional Requirement	Description
NFR-1	<b>Usability</b>	Interface should be user-friendly, responsive, and easy for non-technical users
NFR-2	<b>Security</b>	Secure login, image handling, and result data storage using authentication
NFR-3	<b>Reliability</b>	System should provide consistent and accurate predictions
NFR-4	<b>Performance</b>	Model should give results within a few seconds per image
NFR-5	<b>Availability</b>	System should be accessible 24/7 with minimal downtime
NFR-6	<b>Scalability</b>	System should support growing number of users and additional species classes