

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

Date	03 October 2022
Team ID	PNT2022TMID35185
Project Name	Digital Naturalist - AI Enabled tool for Biodiversity Researchers
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 Gmail
FR-2	User Confirmation	Confirmation via Email
FR-3	Upload an image/Live capturing	Choose the image from file explorer Camera enabled devices support live capturing
FR-4	Search	Recognition of species from the uploaded photo Result display
FR-5	User history	Search results are stored

**Non-functional Requirements:**

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

FR No.	Non-Functional Requirement	Description
NFR-1	<b>Usability</b>	Effectiveness, efficiency and overall satisfaction of the user while interacting with our application. It should be a GUI interface which should be easy to use.
NFR-2	<b>Security</b>	Authentication, authorization, encryption of the application provided by IBM cloud.
NFR-3	<b>Reliability</b>	The system must perform without failure for most of the time.
NFR-4	<b>Performance</b>	How the application is functioning and how responsive the application is to the end-users depending on the performance of IBM cloud platform.
NFR-5	<b>Availability</b>	Without near 100% availability, application reliability and the user satisfaction will affect the solution.

NFR-6	<b>Scalability</b>	Capacity of the application to handle growth, especially in handling more users.
-------	--------------------	--