

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

Date	15 October 2022
Team ID	PNT2022TMID18534
Project Name	Project - 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 Registration through Form
FR-2	User Confirmation	Confirmation via Email & OTP
FR-3	Navigation Service	GPS
FR-4	Database	My SQL & IBM
FR-5	User details	Users are required to register their personal details. . Like name, age, phone no, email,
FR-6	Updating and bug fixing	Updated Based on user feedback
FR-7	Final Output	Final description of the image captured.
FR-8	Alerts	Alerts about dangerous plants and animals (system)

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	Efficient for the frequent users.users can easily understand what the application does and feel satisfied with the system.
NFR-2	Security	SHA-256, Encryptions, AES ETC
NFR-3	Reliability	The system must perform without failure in 80 percent of the time.
NFR-4	Performance	This application supporting 1,000 users per hour must provide 6 seconds or less response time including the rendering of text and images.
NFR-5	Availability	The application will be available 99 % of the time in a month.
NFR-6	Scalability	The application must be scalable enough to support 10,000 visits at the same time while maintaining optimal performance