

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

Date	17 October 2022
Team ID	PNT2022TMID33205
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 Google Cloud API
FR-2	User Confirmation	❖ Confirmation via Email ❖ Confirmation via OTP
FR-3	Authentication	❖ Verified through Mobile number OTP ❖ Verified through Email OTP
FR-4	Administrative functions	Updation and maintenance of data about various species
FR-5	Authorization	Basic user authority is provided

**Non-functional Requirements:**

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

FR No.	Non-Functional Requirement	Description
NFR-1	<b>Usability</b>	Our project is about analysing flora and fauna for scientific researchers, ornithologist and zoologist
NFR-2	<b>Security</b>	The collected data and user data is highly secured. Only authorised users are allowed to activate the data. The security has undergone several steps to keep the data safe.
NFR-3	<b>Reliability</b>	Our project work is should be reliable and should be able to cover wide range of species
NFR-4	<b>Performance</b>	The performance of our application should be reliable and the accuracy of the species should counted along with the speed
NFR-5	<b>Availability</b>	Our application will be usable full time either online or offline and the dataset for the application will be updated
NFR-6	<b>Scalability</b>	Our application allows large number of users without any difficulty in operating or identifying the species