

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

Date	15.10.2022
Team ID	PNT2022TMID47551
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	Sub Requirement
FR-1	User Registration	Registration through GMAIL. Registration through Linked IN.
FR-2	User Confirmation	Confirmation via Email. Confirmation via OTP.
FR-3	Authorization levels	Normal user. Premium user.
FR-4	External Interfaces	Database.
FR-5	Transaction processing	Sender's search details are send to the Database. Database is send the results to application.
FR-6	Reporting	User can any feedback he is report in our application.
FR-7	Business rules	Premium users only can access the categorical data. Premium users are get offline search feature.

**Non-functional Requirements:**

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

FR No.	Non-Functional Requirement	Description
NFR-1	<b>Usability</b>	Search results can be delayed where there is no network get for online users.
NFR-2	<b>Security</b>	User's details will be very secured in our application.
NFR-3	<b>Reliability</b>	the database update process must roll back all related updates when any update fails.
NFR-4	<b>Performance</b>	The front page load time will be no more than 5 seconds for users that access the application.
NFR-5	<b>Availability</b>	the pages that experience problem then display a notification
NFR-6	<b>Scalability</b>	The application can be used by 2,00,000 users simultaneously.