

## Project Design Phase-II

### Solution Requirements (Functional & Non-functional)

Date	15 October 2022
Team ID	PNT2022TMID49483
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	<b>User Registration</b>	Registration through Form Registration through Gmail
FR-2	<b>User Confirmation</b>	Confirmation via Email Confirmation via OTP
FR-3	<b>User details</b>	Users are required to register their personal details. . Like name, age, phone no, email, address, and etc
FR-4	<b>User requirements</b>	The user simply inputs of the searching species image. The software will instantly generate accurate image of species to the individuals and also provide the suitable environment . This software is also provide the additional information about the plant.

#### Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	<b>Usability</b>	Efficient for the frequent users.users can easily understand what the application does and feel satisfied with the system.
NFR-2	<b>Security</b>	<ul style="list-style-type: none"> <li>• AI powered nutrition analyzer for fitness should contain more security in which our data which entered or maintained should be more security.</li> <li>•With the help of the username and password it provides more security in which it can access more securable and the data are private</li> </ul>
NFR-3	<b>Reliability</b>	This application must perform without failure in 95 percent of use cases during a month.
NFR-4	<b>Performance</b>	This application supporting 1,000 users per hour must provide 6 seconds or less response time in a desktop browser, including the rendering of text and images, over an LTE connection.
NFR-5	<b>Availability</b>	The web dashboard must be available to user's 99.9 percent of the time every month during business hours EST. Users can access every time.
NFR-6	<b>Scalability</b>	The application must be scalable enough to support 10,000 visits at the same time while maintaining optimal performance