Project Design Phase-II Solution Requirements

Date	15 October 2022
Team ID	PNT2022TMID54329
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 Form Registration through Gmail
FR-2	**User Confirmation**	Confirmation via Email Confirmation via OTP
FR-3	**User details**	Users are required to register their personal details. . Like name, age, phone no, email, address, and etc
FR-4	**User requirements**	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	**Usability**	Efficient for the frequent users.users can easily understand what the application does and feel satisfied with the system.
NFR-2	**Security**	• AI powered nutrition analyzer for fitness should contain more security in which our data which entered or maintained should be more security. •With the help of the username and password it provides more security in which it can access more securable and the data are private
NFR-3	**Reliability**	This application must perform without failure in 95 percent of use cases during a month.
NFR-4	**Performance**	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	**Availability**	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	**Scalability**	The application must be scalable enough to support 10,000 visits at the same time while maintaining optimal performance