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

Date	20 October 2022
Team ID	PNT2022TMID36210
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 Mobile Number
FR-2	User Confirmation	• Confirmation via Email • Confirmation via OTP
FR-3	Authentication	By entering the OTP sent to the Gmail or Mobile.
FR-4	Subscriptions	Transactions via • Net Banking or • UPI or • Credit card.
FR-5	Administrative functions	▪ Maintaining description of flora and fauna. ▪ Adding the species.
FR-6	User interfaces	➢ Easy to understand. ➢ Sharing the experience with friends.

Non-functional Requirements:

Following are the non-functional requirements of the proposed solution

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	This project act as a user-friendly guide to Researchers, Naturalist & Tourist by predicting the image and provides useful information of flora and fauna precisely.
NFR-2	**Security**	• Authentication helps in maintaining the data secured. • Subscription transactions details should be encrypted.
NFR-3	**Reliability**	This project provides reliability by covering the various species among different habitats.
NFR-4	**Performance**	▪ To provide increasing in accuracy with low loss. ▪ To be more efficient in prediction of flora and fauna. ▪ Increased Data Augmentation
NFR-5	**Availability**	➢ Dataset is constantly updated. ➢ Network required for cent percent prediction.
NFR-6	**Scalability**	It supports many users without any issues which scaled through the cloud resources.