Project Design Phase – I
Proposed Solution

Date	14 October 22
Team ID	PNT2022TMID33205
Project Name	Digital Naturalist-AI enabled tools for biodiversity researchers.
Maximum Marks	2 Marks

Proposed Solution Template:

S.No	Parameter	Description
1	Problem Statement (Problem to be solved)	How might we help both experienced and inexperienced user to identify species of plants and animals and their characteristics with related information? Inexperienced users need to know about poisonous plants and dangerous animals so that they can stay away from it. Both experienced and inexperienced users need to know about the medicinal values of a plant because they need to use it in case of emergencies. All the users need to know about the rarity of the species of birds, animals or plants so that they can preserve and save it.
2	Idea/ Solution description	Display Botanical names. Display alert messages for plants/animals using different colours. small description about them. Rarities of the species. What disease does the plant cure
3	Novelty/ Uniqueness	Alerting the user on the rarity of the species. If the plant being viewed has a medicinal value, it gives a description about it. Display the scientific name of the species. Gives the complete description about the species being viewed. Providing alerts based on if a species is harmful or not.
4	Social Impact/ Customer Satisfaction	Being able to identify the flora and fauna around us often leads to an interest in protecting wild spaces.
5	Business Model (Revenue Model)	Can make money through subscription based. Partnership with many laboratories and scientists around the world.

6	Scalability of the solution	We can introduce subscription models like free plan, business plan, educational plan and many more based on its usage. As the usage increase we can scale the application by releasing more languages based on the geographical usage. As the usage and user base of this application grows more feature can be added to the premium or subscription model.