Project Design Phase – 1

Proposed Solution

Date	10 October 2022
Team ID	PNT2022TMID36210
Project Name	Digital Naturalist-AI Enabled tool for Biodiversity Researchers
Maximum Mark	2 Mark

Proposed Solution :

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	➤ Providing alerts based on if a species is harmful or not ➤ Alerting the user on the rarity of the species ➤ Gives the complete description about the species being viewed ➤ If the plant being viewed has a medicinal value , it gives a description about it. ➤ Display the scientific name of the species.
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	➤ As the usage and user base of this application grows more feature can be added to the premium or subscription model. ➤ 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.