

Project Design Phase-I Proposed Solution

Date	17 October 2022
Team ID	PNT2022TMID18742
Project Name	Project - Digital Naturalist – AI Enabled tool for Biodiversity Researchers

Proposed Solution:

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	<p>i) How might we help both experienced and inexperienced user to identify species of plants and animals and their characteristics with related information?</p> <p>ii) Inexperienced users need to know about poisonous plants and dangerous animals so that they can stay away from it.</p> <p>iii) 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.</p> <p>iv) 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.</p>
2.	Idea / Solution description	<p>i) Display Botanical names</p> <p>ii) Display alert messages for plants/animals using different colours</p> <p>iii) small description about them</p> <p>iv) Rarities of the species</p> <p>v) What disease does the plant cure</p>
3.	Novelty / Uniqueness	<p>i) Providing alerts based on if a species is harmful or not</p> <p>ii) Alerting the user on the rarity of the species</p> <p>iii) Gives the complete description about the species being viewed</p> <p>iv) If the plant being viewed has a medicinal value , it gives a description about it.</p> <p>v) Display the scientific name of the species.</p>

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)	<p>i) Can make money through subscription based.</p> <p>ii) Partnership with many laboratories and scientists around the world</p>
6.	Scalability of the Solution	<p>i) As the usage and user base of this application grows more feature can be added to the premium or subscription model.</p> <p>ii) We can introduce subscription models like free plan, business plan, educational plan and many more based on its usage</p> <p>iii) As the usage increase we can scale the application by releasing more languages based on the geographical usage.</p>