

Project Design Phase-I Proposed Solution

Date	17 October 2022
Team ID	PNT2022TMID45119
Project Name	Project - Digital Naturalist – AI Enabled tool for Biodiversity Researchers

Proposed Solution:

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> 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

		<ul style="list-style-type: none"> • 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)	<ul style="list-style-type: none"> • Can make money through subscription based. • Partnership with many laboratories and scientists around the world