Project Design Phase-I
Proposed Solution Template

Date	29 October 2022
Team ID	PNT2022TMID42852
Project Name	**Project** - Digital Naturalist – AI Enabled tool for Biodiversity Researchers
Maximum Marks	2 Marks

Proposed Solution Template:

Project team shall fill the following information in proposed solution template.

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

		ii) Alerting the user on the rarity of the species. **iii)** Gives the complete description about the species being viewed. **iv)** If the plant being viewed has a medicinal value , it gives a description about it. **v)** 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 protecting wild spaces.
5	Business Model (Revenue Model)	**i)** Can make money through subscription based. **ii)** Partnership with many laboratories and scientists around the world.
6	Scalability of the Solution	**i)** As the usage and user base of this application grows more feature can be added to the premium or subscription model. **ii)** We can introduce subscription models like free plan, business plan, educational plan and many more based on its usage. **iii)** As the usage increase we can scale the application by releasing more languages based on the geographical usage.

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