Project Design Phase-I

Proposed Solution Template

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Date	19 September 2022
Team ID	PNT2022TMID04681
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 the proposed solution template.

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	- The naturalists or hikers or other people who go for field trips to the forest need to carry a guidebook to identify the species of plants and animals in that area. - The guidebook may not be suitable for certain places as rain may damage the book or it may be difficult to go through the book to identify the species. - Hence there is a problem with taking books to the woods and there is a necessity to identify the dangerous and harmful species to stay away from them. - All the people who goes for excursions need to know about the medicinal values and rarity of the species in that area.
2.	Idea / Solution description	- Build a web application to display the names of the species. - Display the medicinal values of those species. - Display small descriptions about the species.

3.	Novelty / Uniqueness	● Using Artificial Intelligence with Deep Learning to analyse the different kind of species. ● Giving medicinal values of the plant if the plant displayed has medicinal values. ● Displaying the complete descriptions 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 species. ● It is easier to use web application to identify the species rather than going through page to page in a guidebook.
5.	Business Model (Revenue Model)	● It is an open source application and the revenue can be obtained by ads. ● Revenue can also be obtained by partnership with many laboratories across the world.
6.	Scalability of the Solution	● As the usage and the user base increases more features can be added to the application. ● We can scale the application by introducing different languages based on geographical locations.