Project Design Phase–1

Proposed Solution

Date	24 September 2022
Team ID	PNT2022TMID35899
Project Name	Digital Naturalist - AI Enabled Tool For Biodiversity Researchers
Maximum Marks	2 Marks

Proposed Solution for the Problem Statement

S.No	Parameter	Description
1.	Problem Statement	To classify the given species and give a short description about the species
2.	Idea/solution description	To develop a multilayer convolutional neural network that classifies the given species, Implement the trained model in our web application. When the image of the unknown species is fed into our web application, then the trained model will classify the species and give the short description about the species
3.	Novelty / Uniqueness	A web application to feed the image of an unknown species and identify the type of the species
4.	Social Impact / Customer Satisfaction	This will reduce the dependency of guides and handbook. This application will maintain the novelty of the rare species and this also will be helpful to save the endangered species
5.	Business Model (Revenue Model)	This application can be used based on the subscription. Many features will be enabled only for the premium subscribers
6.	Scalability of the Solution	A community of biological researchers can be formed and The unclassifiable species can be referred to the community for the classification purposes