

Project Design Phase-I
Proposed Solution Template

Date	24 September 2022
Team ID	PNT2022TMID07956
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)	The problem is to provide naturalists with a handy tool to help them obtain information on the flora and fauna species they encounter on their search.
2.	Idea / Solution description	The Proposed solution is to identify and classify bird, flower and animal species using a CNN based model and providing the user with information on the species.
3.	Novelty / Uniqueness	By informing the naturalist about the species extinction rate, the measures to protect it before hand and connecting them with the other naturalist who have interest to protect the same species as them, we can protect wildlife more effectively.
4.	Social Impact / Customer Satisfaction	Being able to identify the flora and fauna around us often leads to an interest in protecting wild life species and finding out their commercial benefits.
5.	Business Model (Revenue Model)	<ul style="list-style-type: none">● Can make money through subscription based.● Partnership with many laboratories and researchers around the world.
6.	Scalability of the Solution	<ul style="list-style-type: none">● This project can adapted in a large scale by collaborating with researchers and naturalists who want to expand their research and to protect wildlife.● Expanding the database, connections and making the tool more user friendly.