

Project Design Phase-I
Proposed Solution Template

Date	19 September 2022
Team ID	PNT2022TMID26799
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)	Identification of species in forest is very difficult , unnamed or extinct species are very typical to found .Researchers and trekkers cannot carry a big catalogue so this enabled AI tool will be helpful to find the accurate species
2.	Idea / Solution description	A system is built by using image object recognition and classification using Convolution neural network.so we can capture the image of any animals and plants and obtain information of the flora,fauna,unnamed and extinct species.
3.	Novelty / Uniqueness	By using the transfer learning in few trained models to increase accuracy and training time along the data augmentation .
4.	Social Impact / Customer Satisfaction	The model as enhanced innovations like indications of nearest creatures and also provide bookmarks and reference images
5.	Business Model (Revenue Model)	The model contains some review ads with connection of network this tool can be accessed using Global positioning system
6.	Scalability of the Solution	It is used upgrade knowledge for students to be aware of biodiversity it can also be called compact Wikipedia.