Project Design Phase-I
Proposed Solution Template

Team ID	PNT2022TMID38591
Project Name	Digital Naturalist - AI Enabled tool for Biodiversity Researchers
Maximum Marks	2 Marks

Proposed Solution Template:

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	• We are creating a web application which uses a deep learning model, trained on different species of birds, flowers and mammals (2 subclasses in each for a quick understanding) • Getting the prediction of the bird when an image is been given.
2.	Idea / Solution description	• This system is built by using the Image/object recognition and classification using (CNN) Convolutional neural network. • By using this system, we can capture the image of any animals and plants and can obtain the information about the flora and fauna at any time
3.	Novelty / Uniqueness	• We can get the resource of the wildlife, flora and fauna using this responsive UI design with highly automated machine learning algorithms • Anytime and anywhere we can get the resource it carries out the visualization and interpreted result
4.	Social Impact / Customer Satisfaction	• It satisfies the basic requirements of the customer it will be the bridge between the wildlife and researchers , customer ,wildlife photographers • image is given as input and it will predict with trained models and output will be displayed with respective to the input

5.	Business Model (Revenue Model)	• By using this system, the users can predict and analyse the picture of the animals or plants. • In which it results to the visualizing the description of the flora or fauna which taken as input.
6.	Scalability of the Solution	• By implementing in this project people can effectively gain more knowledge about the wildlife • it will be more effective to the wildlife photographers and it can be use any time at anywhere we wish . • the system can also be integrated with the future technology