PROJECT FLOW

Team ID	PNT2022TMID52124
Project Name	Digital Naturalist - AI Enabled tool for Biodiversity Researchers

- ❖ Download/Create dataset.

- ❖ Augment the dataset

- ❖ Pre-process the images and load the data of images into Numpy Arrays.

- ❖ Perform a Train Test Split on the dataset.

- ❖ Define the model creation function: adding all the neural network layers required.

- ❖ Fit the model on train data and check for accuracies using testdata as well.

- ❖ Save the model and its dependencies.

- ❖ Build a Web application using flask that integrates with the model built.

Image dataset → dataset pre-processing → Data Augmentation → Train set → CNN algorithm → Model evaluation → Final Model → Web Interface → Prediction

User → Input → Web Interface

Test set