

## Project Structure

Date	05 November 2022
Team ID	PNT2022TMID30275
Project Name	Project - Digital Naturalist - AI Enabled tool for Biodiversity Researchers
Maximum Marks	

Name	Date Modified
augmented data	27-10-2020 18:35
Bird	27-10-2020 18:35
GIB_AUG	27-10-2020 18:35
SPS_AUG	27-10-2020 18:35
Flower	27-10-2020 18:35
Mammal	27-10-2020 18:35
Digital Naturalist Dataset	27-10-2020 17:50
Bird	27-10-2020 17:50
Great Indian Bustard Bird	27-10-2020 17:50
Spoon Billed Sandpiper Bird	27-10-2020 17:50
Flower	27-10-2020 17:50
Mammal	27-10-2020 17:50
Flask	27-10-2020 18:34
static	27-10-2020 17:50
templates	27-10-2020 17:50
uploads	27-10-2020 18:14
app.py	27-10-2020 17:49
final_model.h5	27-10-2020 17:49
final_model.json	27-10-2020 17:49
Aug data.py	24-10-2020 17:24
Digital Naturalist Train.py	27-10-2020 18:35
final_model.h5	23-10-2020 06:22
final_model.json	23-10-2020 06:22

1. Data Sets: We have two datasets here. Firstly, one is originally created, **Digital Naturalist Dataset** which we have made by downloading pictures from various sources over the internet. The second one is the **Augmented Data** what we have.
2. Flask App: It has all the files necessary to build the flask application.
3. **static** folder has the images that are needed in building the web page.
4. **templates** folder has the HTML page.
5. **uploads** folder has the uploads made by the user.
6. **app.py** is the python script for server-side computing.
7. **final\_model.h5** and **final\_model.json** file are the files which were used to save the sensitive information on which the model runs and will now be used to load the model.
8. Python files: These are the files which we have used to make augmentations for the dataset and the model training file named as **aug data.py** and **Digital Naturalist Train.py**
9. Model Files: these are originally created model files after training and then put into the flask folder for our flask app to access it and run the model while deployment.