

Project Planning Phase

Milestone and Activity List

Date	22 October 2022
Team ID	PNT2022TMID18406
Project Name	Digital Naturalist AI enabled tool for Biodiversity Researchers

Milestone and Activity List:

S.No	Milestone	Activities	Team Members
1.	Data Collection	Create Train and Test Folders	Madhavan P G Mathan A Mithulbhalaji U P
2.	Image Preprocessing	Import ImageDataGenerator Library and Configure	Mitulbhalaji U P Monisha K
3.	Image Preprocessing	Apply ImageDataGenerator functionality to Train and Test set	Madhavan P G Mathan A Mithulbhalaji U P
4.	Model Building	Import the required model building libraries	Mithulbhalaji U P Monisha K
5.	Model Building	Initialize the model	Madhavan P G Mathan A Mithulbhalaji U P
6.	Model Building	Add the convolution layer	Mithulbhalaji U P Monisha K
7.	Model Building	Add the pooling layer	Madhavan P G Mathan A Mithulbhalaji U P
8.	Model Building	Add the flatten layer	Mithulbhalaji U P Monisha K
9.	Model Building	Adding the dense layers	Madhavan P G Mathan A Mithulbhalaji U P
10.	Model Building	Compile the model	Mithulbhalaji U P Monisha K
11.	Model Building	Fit and save the model	Madhavan P G Mathan A Mithulbhalaji U P
12.	Test the model	Import the packages and load the saved model	Mithulbhalaji U P Monisha K

13.	Test the model	Load the test image, pre-process it and predict	Madhavan P G Mathan A Mithulbhalaji U P
14.	Application Building	Build a flask application	Mithulbhalaji U P Monisha K
15.	Application Building	Build the HTML page	Madhavan P G Mathan A Mithulbhalaji U P
16.	Application Building	Output	Mithulbhalaji U P Monisha K
17.	Train CNN Model on IBM	Register for IBM Cloud	Madhavan P G Mathan A Mithulbhalaji U P
18.	Train CNN Model on IBM	Train Image Classification Model	Mithulbhalaji U P Monisha K