

Project Planning Phase

Milestone and Activity List

Date	22 October 2022
Team ID	PNT2022TMID45690
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	M.Tamil Selvan J.Vijay M.Mathiyazahagan
2.	Image Preprocessing	Import ImageDataGenerator Library and Configure	M.Mathiyazhagan P.Aadhikesavan
3.	Image Preprocessing	Apply ImageDataGenerator functionality to Train and Test set	M.Tamil Selvan J.Vijay M.Mathiyazahagan
4.	Model Building	Import the required model building libraries	M.Mathiyazhagan P.Aadhikesavan
5.	Model Building	Initialize the model	M.Tamil Selvan J.Vijay M.Mathiyazahagan
6.	Model Building	Add the convolution layer	M.Mathiyazhagan P.Aadhikesavan
7.	Model Building	Add the pooling layer	M.Tamil Selvan J.Vijay M.Mathiyazahagan
8.	Model Building	Add the flatten layer	M.Mathiyazhagan P.Aadhikesavan
9.	Model Building	Adding the dense layers	M.Tamil Selvan J.Vijay M.Mathiyazahagan
10.	Model Building	Compile the model	M.Mathiyazhagan P.Aadhikesavan
11.	Model Building	Fit and save the model	M.Tamil Selvan J.Vijay M.Mathiyazahagan
12.	Test the model	Import the packages and load the saved model	M.Mathiyazhagan P.Aadhikesavan

13.	Test the model	Load the test image, pre-process it and predict	M.Tamil Selvan J.Vijay M.Mathiyazahagan
14.	Application Building	Build a flask application	M.Mathiyazhagan P.Aadhikesavan
15.	Application Building	Build the HTML page	M.Tamil Selvan J.Vijay M.Mathiyazahagan
16.	Application Building	Output	M.Mathiyazhagan P.Aadhikesavan
17.	Train CNN Model on IBM	Register for IBM Cloud	M.Tamil Selvan J.Vijay M.Mathiyazahagan
18.	Train CNN Model on IBM	Train Image Classification Model	M.Mathiyazhagan P.Aadhikesavan