

## Project Planning Phase

### Milestone and Activity List

Date	22 October 2022
Team ID	PNT2022TMID12396
Project Name	Project - 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	G.Nagarjun M.Arun Kumar S.Abhishek
2.	Image Preprocessing	Import ImageDataGenerator Library and Configure	K.Sri Ram Murthi P.Balakrishnan
3.	Image Preprocessing	Apply ImageDataGenerator functionality to Train and Test set	G.Nagarjun M.Arun Kumar S.Abhishek
4.	Model Building	Import the required model building libraries	K.Sri Ram Murthi P.Balakrishnan
5.	Model Building	Initialize the model	G.Nagarjun M.Arun Kumar S.Abhishek
6.	Model Building	Add the convolution layer	K.Sri Ram Murthi P.Balakrishnan
7.	Model Building	Add the pooling layer	G.Nagarjun M.Arun Kumar S.Abhishek
8.	Model Building	Add the flatten layer	K.Sri Ram Murthi P.Balakrishnan
9.	Model Building	Adding the dense layers	G.Nagarjun M.Arun Kumar S.Abhishek
10.	Model Building	Compile the model	K.Sri Ram Murthi P.Balakrishnan
11.	Model Building	Fit and save the model	G.Nagarjun M.Arun Kumar S.Abhishek
12.	Test the model	Import the packages and load the saved model	K.Sri Ram Murthi P.Balakrishnan

13.	Test the model	Load the test image, pre-process it and predict	G.Nagarjun M.Arun Kumar S.Abhishek
14	Application Building	Build a flask application	K.Sri Ram Murthi P.Balakrishnan
15.	Application Building	Build the HTML page	G.Nagarjun M.Arun Kumar S.Abhishek
16.	Application Building	Output	K.Sri Ram Murthi P.Balakrishnan
17.	Train CNN Model on IBM	Register for IBM Cloud	G.Nagarjun M.Arun Kumar S.Abhishek
18.	Train CNN Model on IBM	Train Image Classification Model	K.Sri Ram Murthi P.Balakrishnan