

## Project Planning Phase

### Milestone and Activity List

Date	19 October 2022
Team ID	PNT2022TMID47219
Project Name	Digital Naturalist - AI Enabled tool for Biodiversity Researchers
Maximum Marks	8 Marks

### Milestone and Activity List:

S.No	Milestone	Activities	Team Members
1.	Data Collection	Create Train and Test Folders	<ul style="list-style-type: none"> <li>Sairam H</li> <li>Iyer Charan Murthy</li> </ul>
2.	Image Preprocessing	Import Image Data Generator Library and Configure	<ul style="list-style-type: none"> <li>Vignesh Kumar</li> <li>Vignesh Jothi</li> </ul>
3.	Image Preprocessing	Apply Image Data Generator functionality to Train and Test set	<ul style="list-style-type: none"> <li>Sairam H</li> <li>Iyer Charan Murthy</li> </ul>
4.	Model Building	Import the required model building libraries	<ul style="list-style-type: none"> <li>Vignesh Kumar</li> <li>Vignesh Jothi</li> </ul>
5.	Model Building	Initialize the model	<ul style="list-style-type: none"> <li>Sairam H</li> <li>Iyer Charan Murthy</li> </ul>
6.	Model Building	Add the convolution layer	<ul style="list-style-type: none"> <li>Vignesh Kumar</li> <li>Vignesh Jothi</li> </ul>
7.	Model Building	Add the pooling layer	<ul style="list-style-type: none"> <li>Sairam H</li> <li>Iyer Charan Murthy</li> </ul>
8.	Model Building	Add the flatten layer	<ul style="list-style-type: none"> <li>Vignesh Kumar</li> <li>Vignesh Jothi</li> </ul>
9.	Model Building	Adding the dense layers	<ul style="list-style-type: none"> <li>Sairam H</li> <li>Iyer Charan Murthy</li> </ul>
10.	Model Building	Compile the model	<ul style="list-style-type: none"> <li>Vignesh Kumar</li> <li>Vignesh Jothi</li> </ul>
11.	Model Building	Fit and save the model	<ul style="list-style-type: none"> <li>Sairam H</li> <li>Iyer Charan Murthy</li> </ul>

12.	Test the model	Import the packages and load the saved model	<ul style="list-style-type: none"> <li>• Vignesh Kumar</li> <li>• Vignesh Jothi</li> </ul>
13.	Test the model	Load the test image, pre-process it and predict	<ul style="list-style-type: none"> <li>• Sairam H</li> <li>• Iyer Charan Murthy</li> </ul>
14	Application Building	Build a flask application	<ul style="list-style-type: none"> <li>• Vignesh Kumar</li> <li>• Vignesh Jothi</li> </ul>
15.	Application Building	Build the HTML page	<ul style="list-style-type: none"> <li>• Sairam H</li> <li>• Iyer Charan Murthy</li> </ul>
16.	Application Building	Output	<ul style="list-style-type: none"> <li>• Vignesh Kumar</li> <li>• Vignesh Jothi</li> </ul>
17.	Train CNN Model on IBM	Register for IBM Cloud	<ul style="list-style-type: none"> <li>• • Sairam H</li> <li>• Iyer Charan Murthy</li> </ul>
18.	Train CNN Model on IBM	Train Image Classification Model	<ul style="list-style-type: none"> <li>• Vignesh Kumar</li> <li>• Vignesh Jothi</li> </ul>