

**Project planning phase**  
**Milestone and activity list**

|                |                                                              |
|----------------|--------------------------------------------------------------|
| date           | 29 november 2022                                             |
| Team id        | PNT2022TMID46270                                             |
| Project tittle | Digital Naturalist-AI Enabled Tool for Biodiversity Reachers |

| S.NO | MILESTONE            | ACTIVITIES                                                    | TEAM MEMBERS                                               |
|------|----------------------|---------------------------------------------------------------|------------------------------------------------------------|
| 1    | Data collection      | Create train the test folders                                 | R.silambarasan<br>m.tamildevan<br>a.vignesh<br>r.venkatesh |
| 2    | Image preprossessing | Import<br>Imagedata generators<br>Library and configure       | R.silambarasan<br>m.tamildevan<br>a.vignesh<br>r.venkatesh |
| 3    | Image preprossessing | Apply<br>Imagedata generators<br>Functionaly to tain the test | R.silambarasan<br>m.tamildevan<br>a.vignesh<br>r.venkatesh |
| 4    | Model building       | Import the required<br>model building library                 | R.silambarasan<br>m.tamildevan<br>a.vignesh<br>r.venkatesh |
| 5    | Model building       | Initialize the model                                          | R.silambarasan<br>m.tamildevan<br>a.vignesh<br>r.venkatesh |
| 6    | Model building       | Add the convolution<br>layer                                  | R.silambarasan<br>m.tamildevan<br>a.vignesh<br>r.venkatesh |
| 7    | Model building       | Add the pooling layer                                         | R.silambarasan<br>m.tamildevan<br>a.vignesh<br>r.venkatesh |

|    |                |                                             |                                                            |
|----|----------------|---------------------------------------------|------------------------------------------------------------|
| 8  | Model building | Add the flatten layer                       | R.silambarasan<br>m.tamildevan<br>a.vignesh<br>r.venkatesh |
| 9  | Model building | Adding the dense layer                      | R.silambarasan<br>m.tamildevan<br>a.vignesh<br>r.venkatesh |
| 10 | Model building | Compile the model                           | R.silambarasan<br>m.tamildevan<br>a.vignesh<br>r.venkatesh |
| 11 | Model building | Fit and save the model                      | R.silambarasan<br>m.tamildevan<br>a.vignesh<br>r.venkatesh |
| 12 | Test the model | Import the package and load the Saved model | R.silambarasan<br>m.tamildevan<br>a.vignesh<br>r.venkatesh |