Project Planning Phase Milestone and Activity List

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| Date | 30. 10. 2022 |
| Team ID | B9-3A5E |
| Project Name | Project - Digital naturalist AI enabled tool for biodiversity researchers |

Milestone and Activity List:

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| **S.No** | **Milestone** | **Activities** | **Team Members** |
| 1. | Objective | Objective | P. Jenifer Vinothini |
| 2. | Project Folw | Project flow | P. Jeevitha |
| 3. | Pre-Requisites | Pre-requisites | G. Kaleeswari |
| 4. | Prior knowledge | Prior knowledge | S. Abishek |
| 5. | Data collection | Data augmentation structure creation | P. Jenifer Vinothini |
| 6. | Data collection | Augment the data | P. Jenifer Vinothini |
| 7. | Data collection | Downloading the data | P. Jenifer Vinothini |
| 8. | Loading data and preprocessing | Importing the libraries | P. Jeevitha |
| 9. | Loading data and preprocessing | Make a list of paths to all  folders where you have data | G. Kaleeswari |
| 10. | Loading data and preprocessing | Loading image into machine understandable | S. Abishek |
| 11. | Loading data and  preprocessing | Data splitting into train the test | P. Jenifer Vinothini |
| 12. | Getting started with  convolution neural  network | Strat (Sequential) | P. Jeevitha |

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| 13. | Getting started with  convolution neural  network | Add layer (conv,  maxpool, flattern,  dense, dropout) | G. Kaleeswari | |  | |
| 14. | Getting started with  convolution neural  network | Building model(summary,  compile, fit, predict) |  | S. Abishek |  |
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| 15. | Evaluation and model  saving | Evaluation (accuracy and  losses | P. Jenifer Vinothini | |  | |
| 16. | Evaluation and model  saving | Model saving and loading | P. Jeevitha | |  | |
| 17. | Application building | Building a flask  application | G. Kaleeswari | |  | |
| 18. | Application building | Building the HTML  Page and execute | S. Abishek | |  | |
| 19. | Train model on IBM | Register for IBM  cloud | P. Jenifer Vinothini | |  | |
| 20. | Train model on IBM | Train the model on  IBM waston | P. Jeevitha | |  | |
| 21. | Ideation phase | Prepare empathy  map | S. Abishek | |  | |