**Project Planning Phase**

**Milestone and Activity List**

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| Date | 01 November 2022 |
| Team ID | PNT2022TMID45687 |
| Project Name | Real time communication system powered by AI for specially abled |

**Milestone and Activity List:**

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| **S.No** | **Milestone** | | **Activities** | | | **Team Members** |
| 1. | Data Collection | | Create Train and Test Folders | | | Janapriya N |
| 2. | Image Preprocessing | | Import Image Data  Generator Library and  Configure it | | | Gayathri V |
| 3. | Image Preprocessing | | Apply Image Data Generat or functionality to Train and Test set | | | Shalini S |
| 4. | Model Building | | Import the required  model building  libraries | | | Kanaga O |
| 5. | Model Building | | Initialize the model | | | Janapriya N |
| 6. | Model Building | | Add the convolution layer | | | Gayathri V |
| 7. | Model Building | | Add the pooling layer | | | Shalini S |
| 8. | Model Building | | Add the flatten layer | | | Kanaga O |
| 9. | Model Building | | Adding the dense layers | | | Janapriya N |
| 10. | Model Building | | Compile the model | | | Gayathri V |
| 11. | Model Building | | Fit and save the model | | | Shalini S |
| 12 | | Test the Model | | Import the packages and load the saved models | Kanaga O | |
| 13. | | Test the model | | Load the test image, pre- process it and predict | Janapriya N | |
| 14. | | Application Building | | Build a flask application | Gayathri V  Shalini S  Kanaga O | |
| 15. | | Application Building | | Build the HTML page | Janapriya N | |
| 16. | | Application Building | | Output | Gayathri V | |
| 17. | | Train CNN Model on IBM | | Register for IBM Cloud | Shalini S | |
| 18. | | Train CNN Model on IBM | | Train Image  Classification  Model | Kanaga O | |