Project Planning Phase Milestone and Activity List

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| Date | 22 October 2022 |
| Team ID | PNT2022TMID45254 |
| 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 | Abitha  Deepa  Ranjitha vishwabarathi |
| 2. | Image Preprocessing | Import Image Data Generator Library and Configure | Abitha  Deepa  Ranjitha vishwabarathi |
| 3. | Image Preprocessing | Apply Image Data Generator functionality to Train and Test set | Abitha  Deepa  Ranjitha vishwabarathi |
| 4. | Model Building | Import the required model building libraries | Abitha  Deepa  Ranjitha vishwabarathi |
| 5. | Model Building | Initialize the model | Abitha  Deepa  Ranjitha vishwabarathi |
| 6. | Model Building | Add the convolution layer | Abitha  Deepa  Ranjitha vishwabarathi |
| 7. | Model Building | Add the pooling layer | Abitha  Deepa  Ranjitha vishwabarathi |
| 8. | Model Building | Add the flatten layer | Abitha  Deepa  Ranjitha vishwabarathi |
| 9. | Model Building | Adding the dense layers | Abitha  Deepa  Ranjitha vishwabarathi |
| 10. | Model Building | Compile the model | Abitha  Deepa  Ranjitha vishwabarathi |
| 11. | Model Building | Fit and save the model | Abitha  Deepa  Ranjitha vishwabarathi |

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| 12. | Test the model | Import the packages and load the saved model | Gowthamraj V P Balasurya S S  Sibiraj S |
| 13. | Test the model | Load the test image, pre- process it and predict | Keerthana M Gowthamraj V P Balasurya S S  Sibiraj S |
| 14 | Application Building | Building flask application | Gowthamraj V P  Keerthana M |
| 15. | Application Building | Build the HTML page | Keerthana M Sibiraj S |
| 16. | Application Building | Output | Keerthana M Gowthamraj V P Balasurya S S Sibiraj S |
| 17. | Train CNN Model on IBM | Register for IBM Cloud | Keerthana M Gowthamraj V P Balasurya S S  Sibiraj S |
| 18. | Train CNN Model on IBM | Train Image Classification Model | Keerthana M Sibiraj S |