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| **MILESTONE ACTIVITY**  **PLAN**    **Project Planning Phase**  **Project Planning Template (Milestone Activity)**     |  |  | | --- | --- | | Date | 15 NOV 2022 | | Team ID | PNT2022TMID50033 | | Project Name | Real-Time Communication System Powered By AI For Specially Abled |     **Milestone Activity Plan.**   |  |  |  |  | | --- | --- | --- | --- | | **Milestone** | **Function (Epic)** | **Milestone**  **Story**  **Number** | **Story / Task** | | **Milestone** 1 | Data collection | M1 | we're collecting dataset for building our project and creating two folders, one for training and another one for testing. | | **Milestone 2** | Image preprocessing | M2 | Importing image data generator libraries and applying image data generator functionality to train the test set. | | **Milestone 3** | Model building | M3 | Importing the model building libraries, Initializing the model, Adding Convolution layers, Adding the Pooling layers, Adding the Flatten layers, Adding Dense layers, Compiling the model Fit and Save the model. | | **Milestone 4** | Testing the model | M4 | Import the packages first. Then we save the model and Load the test image, preprocess it and predict it. | | **Milestone 5** | Application layer | M5 | Build the flask application and the HTML pages. | | **Milestone 6** | Train CNN model | M6 | Register for IBM Cloud and train Image Classification Model. | | **Milestone 7** | Final result | M7 | To ensure all the activities and resulting the final output. | |

