

Project planning Architecture

Project Planning Phase Project Planning Template (Milestone Activity)

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| Date | 08 November 2022 |
| Team ID | PNT2022TMID44103 |
| 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. |

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