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| **MILESTONEACTIVITYPLAN**      **ProjectPlanningPhase**  **ProjectPlanningTemplate (MilestoneActivity)**     |  |  | | --- | --- | | Date | 26October2022 | | TeamID | PNT2022TMID51451 | | ProjectName | Real-Time Communication System PoweredByAIForSpeciallyAbled |     **MilestoneActivityPlan.**   |  |  |  |  | | --- | --- | --- | --- | | **Milestone** | **Function(Epic)** | **Milestone StoryNu mber** | **Story /Task** | | **Milestone**1 | Datacollection | M1 | we're collecting dataset for building ourproject and creating two folders, one fortrainingandanotheronefor testing. | | **Milestone2** | Imageprepro cessing | M2 | Importingimagedatageneratorlibrariesan d applying image data generatorfunctionalitytotrainthe test set. | | **Milestone3** | Modelbuilding | M3 | Importing the model building libraries,Initializing the model, Adding Convolutionlayers, Adding the Pooling layers, Addingthe Flatten layers, Adding Dense layers,Compiling the model Fit and Save themodel. | | **Milestone4** | Testing the model | M4 | Import the packages first. Then we savethemodelandLoadthetestimage,prep rocess it andpredict it. | | **Milestone5** | Applicationlayer | M5 | Build the flask application and the HTMLpages. | | **Milestone6** | Train CNN model | M6 | Register forIBMCloudandtrainImageClassification Model. | | **Milestone7** | Finalresult | M7 | To ensure all the activities and resultingthefinaloutput. | |

