# Project Planning Phase

## Project Planning Template (Milestone Activity)

| Date | 04 November 2022 |
|---|---|
| Team ID | PNT2022TMID50812 |
| Project Name | Real-Time Communication System Powered by AI for Specially Abled |

**Milestone Activity Plan**

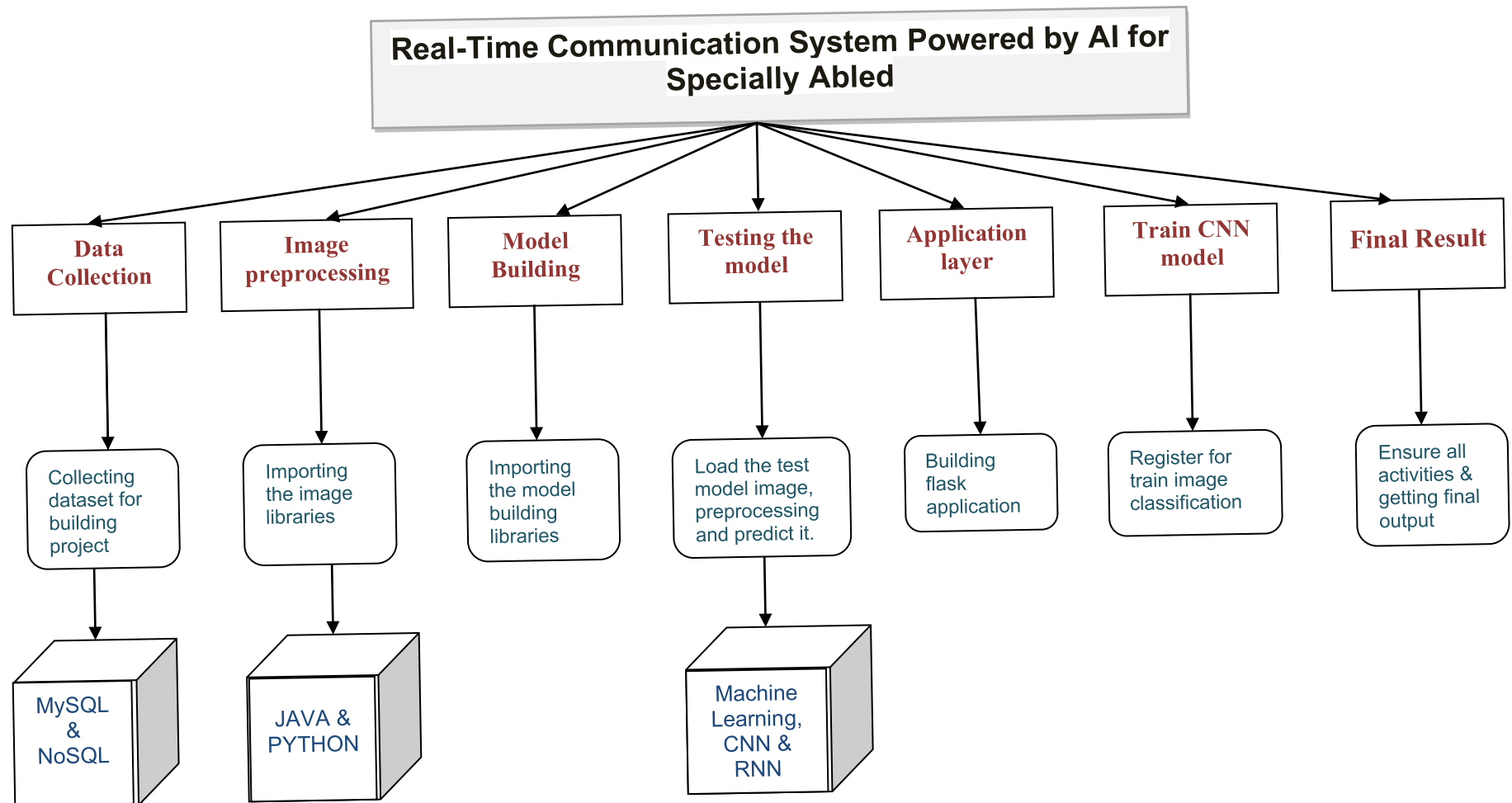| Milestone | Functional Requirement (Epic) | Milestone Story Number | Milestone Story / Task |
|---|---|---|---|
| Milestone 1 | Data Collection | M1 | We're collecting dataset for building our project and creating two folders, one for training and another one for testing. |
| Milestone 2 | Image Preprocessing | M2 | Importing image data generator libraries and applying image data generator functionality to train the test set. |
| Milestone 3 | Building Model | 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 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 Conversation Engine | 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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**Team Members: AJITHA K, ISHWARYA K, SANTHANA SWATHI A.**

## MILESTONE ACTIVITY PLAN

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