# Project Planning Phase
# Project Mile Stones & Activity List

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|---|---|
| Date | 18 October 2022 |
| Team ID | PNT2022TMID26243 |
| Project Name | Real-Time Communication System Powered By AI For Specially Abled |
| Marks | 4 marks |

**Start Date: 22 August 2022**

| MileStone ID | Milestones | Activities | Submission Date (EOD) |
|---|---|---|---|
| **RTCSPSA-MS1** | Preparation Phase | 1. Prerequisites<br>2. Registrations<br>**3.** Environment Set-up | 22 - 27 Aug 2022 |
| **RTCSPSA-MS2** | Ideation Phase | 1. Literature Survey<br>2. Empathize<br>3. Defining Problem Statement<br>4. Ideation | 17 September, 2022 |
| **RTCSPSA-MS3** | Project Design Phase – I | 1. Proposed Solution<br>2. Problem Solution Fit<br>3. Solution Architecture | 01 October, 2022 |
| **RTCSPSA-MS4** | Project Design Phase – II | 1. Requirement Analysis<br>2. Customer Journey<br>3. Data Flow Diagrams<br>4. Technology Architecture | 15 October, 2022 |
| **RTCSPSA-MS5** | Project Planning Phase | 1. Milestones & Tasks,<br>2. Sprint Schedules | 22 October, 2022 |

| MileStone ID | Milestones | Activities | Submission Date (EOD) |
|---|---|---|---|
| **RTCSPSA-MS6** | Project Development Phase | 1. Coding & Solutioning<br>2. Acceptance Testing<br>3. Performance Testing | 18 November, 2022 |
| **RTCSPSA-MS6.1** | Sprint1<br>Data Collection &<br>Pre-processing | 1. Collect data for building the project.<br>2. Create Train and Test Folders<br>3. pre-process the images for building the model | 24 - 29 Oct 2022 |
| **RTCSPSA-MS6.2** | Sprint2 –<br>Model Building | 1. Import libraries<br>2. Initialize the model<br>3. Add the convolution layer<br>4. Add the pooling layer<br>5. Add the flatten layer<br>6. Adding the dense layers<br>7. Compile the model<br>8. Fit and save the model. | 31 Oct - 5 Nov 2022 |
| **RTCSPSA-MS6.3** | Sprint3 –<br>Test the model | 1. Pass an image to get predictions.<br>2. Import the packages and load the saved model<br>3. Load the test image, pre-process it and predict. | 7 - 12 Nov 2022 |
| **RTCSPSA-MS6.4** | Sprint4 –<br>Train CNN Model on IBM &<br>application development | 1. Register for IBM Cloud.<br>2. Train your model on IBM Cloud.<br>3. Store your Model on IBM Cloud. | 14 - 19 Nov 2022 |