Project Planning Phase

Milestone and Activity List

|  |  |
| --- | --- |
| Date | 23 October 2022 |
| Team ID | PNT2022TMID24857 |
| Project Name | Real-Time Communication System Powered by AI for Specially Abled |

|  |  |  |
| --- | --- | --- |
| **TITLE** | **DESCRIPTION** | **DATE** |
| **IDEATION PHASE** | | |
| **Literature Survey & Information Gathering** | Literature survey on the selected project & gathering information by referring the, technical papers, research publications etc. | 03 SEPTEMBER 2022 |
| **Prepare Empathy Map** | Prepare Empathy Map Canvas to capture the user Pains & Gains, Prepare list of problem statements. | 10 SEPTEMBER 2022 |
| **Problem Statement** | List of problem in the project. | 10 SEPTEMBER 2022 |
| **Brainstorm And Idea Prioritization** | List the by organizing the brainstorming session and prioritize the top 3 ideas based on the feasibility & importance. | 17 SEPTEMBER 2022 |
| **PROJECT DESIGN PHASE-I** | | |
| **Proposed Solution** | Prepare the proposed solution document, which includes the novelty, feasibility of idea, business model, social impact, scalability of solution, etc. | 24 SEPTEMBER 2022 |
| **Problem Solution Fit** | Prepare problem - solution fit document. | 01 OCTOBER 2022 |

|  |  |  |
| --- | --- | --- |
| **Solution Architecture** | Prepare solution architecture document. | 01 OCTOBER 2022 |
| **PROJECT DESIGN PHASE-II** | | |
| **Customer Journey** | Prepare the customer journey maps to understand the user interactions & experiences with the application (entry to exit). | 08 OCTOBER 2022 |
| **Functional Requirement** | Prepare the functional requirement document. | 15 OCTOBER 2022 |
| **Data Flow Diagrams** | Draw the data flow diagrams and submit for review. | 15 OCTOBER 2022 |
| **Technology Architecture** | Prepare the technology architecture diagram. | 15 OCTOBER 2022 |
| **PROJECT PLANNING PHASE** | | |
| **Prepare Project Planning & Sprint Delivery Plan** | Prepare the Product Backlog, Sprint Planning, Stories, and Story points. | 22 OCTOBER 2022 |
| **Prepare Milestone & ActivityList** | Prepare the milestones &activity list of the project. | 22 OCTOBER 2022 |
| **PROJECT DEVELOPMENT PHASE** | | |
| **Project Development - Delivery of Sprint-1, 2, 3 & 4** | Develop & submit the developed code by testing it. | 10 NOVEMBER 2022 |

**DATA COLLECTION**

|  |  |  |
| --- | --- | --- |
| **Create train and test folders** | To prepare the training and testing dataset and upload it into the folders. | 29 OCTOBER 2022 |

#### QUANTIFYING IMAGES

|  |  |  |
| --- | --- | --- |
| Import feature library and configure it | Import the feature library from skimage | 02 NOVEMBER 2022 |
| Apply feature library Functionality to test and train set | Apply it to the model | 05 NOVEMBER 2022 |

#### [MODEL BUILDING](https://careereducation.smartinternz.com/Student/guided_project_workspace/50403#collapse3)

|  |  |  |
| --- | --- | --- |
| Import the required model building libraries | To import the necessary libraries and packages to build the model | 02 NOVEMBER 2022 |
| Initialize the model | Initializing the model | 02 NOVEMBER 2022 |
| Add the COLOR\_BGR2GRAY | To add the COLOR\_BGR2GRAY | 02 NOVEMBER 2022 |
| Add the LabelEncoder | Adding the LabelEncoder | 02 NOVEMBER 2022 |
| Compile the model | To compile the model | 10 NOVEMBER 2022 |
| Fit and save the model | Save the model | 10 NOVEMBER 2022 |

#### 

#### [TEST THE MODEL](https://careereducation.smartinternz.com/Student/guided_project_workspace/50403#collapse4)

|  |  |  |
| --- | --- | --- |
| Import the packages and load the saved model | Load the saved model and testing it | 10 NOVEMBER 2022 |
| Load the Test image, Quantify it and predict | Prediction and testing the images | 10 NOVEMBER 2022 |

#### [APPLICATION BUILDING](https://careereducation.smartinternz.com/Student/guided_project_workspace/50403#collapse5)

|  |  |  |
| --- | --- | --- |
| Build A flask application | To build the flask application | 06 NOVEMBER 2022 |
| Build A flask application | To build the flask application | 06 NOVEMBER 2022 |
| Building the flask application-part 3 | To build the flask application | 06 NOVEMBER 2022 |
| Build the HTML page | Building the html page for frontend | 06 NOVEMBER 2022 |
| output | To get the output | 11 NOVEMBER 2022 |

#### [TRAIN ThE MODEL ON IBM](https://careereducation.smartinternz.com/Student/guided_project_workspace/50403#collapse6)

|  |  |  |
| --- | --- | --- |
| Train image Classification model | To develop the code and push it into the github | 11 NOVEMBER 2022 |
| Register for IBM cloud | To register for the IBM cloud | 27 AUGUST 2022 |