

PROJECT PLANNING PHASE

PROJECT PLANNING TEMPLATE

(MILESTONE & ACTIVITY LIST)

Date	31 October 2022
Team ID	PNT2022TMID11418
Project Name	Real-Time Communication System Powered by AI for Specially Abled

Milestone No.	Milestone	Task Description	Milestone status
Milestone 1	Ideation Phase	We must acquire the permanent data for the project use case in this activity and consult any current solutions, technical papers, research publications etc.	Completed
	Literature survey on selected project and Information gathering		
	Problem Statement	About the issue that clients are having and the remedy we are proposing	Completed
	Prepare Empathy Map	In this task, we must set up the empathy map canvas to record the user's gains and pains. List possible problem statements.	Completed
	Ideation	In this activity, we are expected to list the ideas by organizing the brainstorming session and prioritize the top 3 ideas based on their feasibility & importance.	Completed
Milestone 2	Project Design Phase-I	We are required to create a proposed solution document for this project that details the navelless, viability of the concept, business strategy, social impact, scalability of the solution, etc.	Completed
	Proposed Solution		
	Problem Solution Fit	We are required to create a problem-solution-fit document for this task and submit it for approval.	Completed

	Solution Architecture	We are required to create a solution architecture paper for this activity and submit it for review.	Completed
Milestone 3	Project Design Phase - II	Prepared the customer journey maps to understand the user interactions & experiences with the application (entry to exit).	Completed
	Customer Journey		
	Functional Requirement	We are expected to create the functional requirement document in this activity.	Completed
	Data Flow Diagrams	We are asked to generate the data flow diagrams for this activity and submit them for evaluation.	Completed
	Technology Architecture	In this activity, we are expected to draw the technology architecture diagram.	Completed
Milestone 4	Project Planning Phase	In this activity, we are expected to prepare the milestones & activity list of the project.	Completed
	Prepare Milestone & Activity List		
	Sprint Delivery Plan	In this activity, we are expected to prepare the sprint delivery plan.	In Progress
Milestone 5	Project Development Phase	In this milestone, we will start the project development and expect to perform the coding & solutions, acceptance testing, and performance testing based on the sprint and submit them.	In Progress
	Development of Sprint 1,2,3,4		
Milestone 6	Data Collection	In order to create our project, we will be gathering data in this. Two folders, one for training and the other for testing, will be created. Photographs from the training folder will be used to create the model, and images from the testing folder will be used to verify our model.	
Milestone 7	Image Preprocessing	In this, we will pre-process the images which will be used for building the model. Image pre-processing includes zooming, shearing, and	

		flipping to increase the robustness of the model after it is built. We will be using the Keras package for pre- processing images.
Milestone 8	Model Building	Initialization, addition of convolutional layers, and layer pooling Full connecting layers and layer flattening.
Milestone 9	Test the Model	Now we run a model test by feeding it a picture and asking for predictions. When testing the model, we must ensure that the test image is the intended size for the model, that its dimensions are correct, and that it has undergone scaling before being sent to the model.
Milestone 10	Application Building	In order to develop our UI and connect with the model in the backend to obtain predictions, we will now build a Flask application. An HTML page is needed for the frontend of a Flask application, and a Python file is needed for the backend, which handles the model interface.