

MILESTONE ACTIVITY PLAN

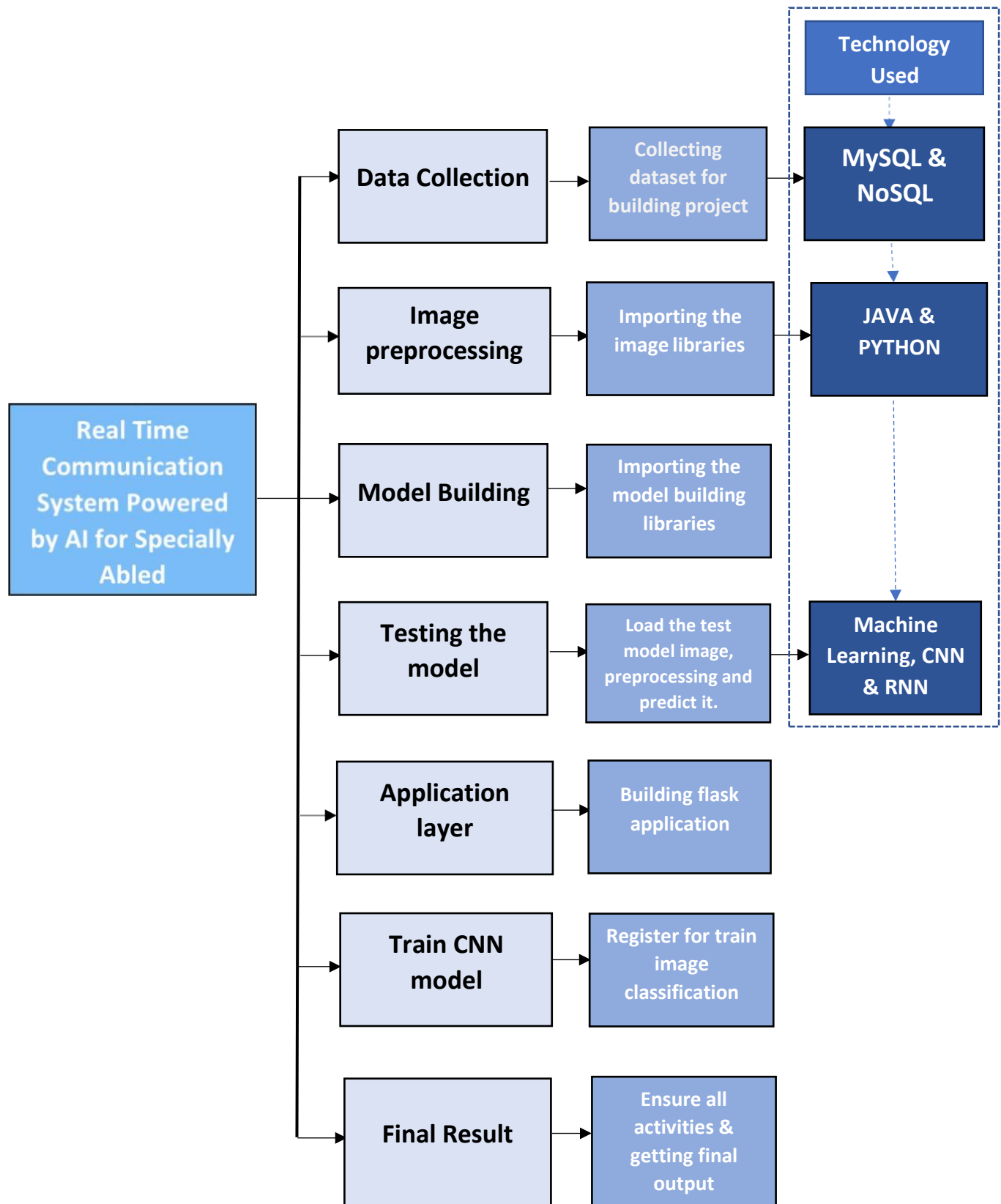
Project Planning Phase Project Planning Template (Milestone Activity)

Date	26 October 2022
Team ID	PNT2022TMID33638
Project Name	Real-Time Communication System Powered By AI For Specially Abled

Milestone Activity Plan.

Milestone	Function (Epic)	Milestone Story Number	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	Model building	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 the 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 CNN model	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.

MILESTONE ACTIVITY PLAN



MILESTONE ACTIVITY PLAN

TITLE	DESCRIPTION	DATE	ACHIEVEMENT
Literature Survey & Information Gathering	Literature survey on the selected project & gathering information by referring the technical papers, research publications etc.	28 SEPTEMBER 2022	<ul style="list-style-type: none"> Referring to the previous findings made to understand the drawbacks that are present in the app. Able to understand the technologies and methods used in building of the system. Helped us to know what would be the output if a technology is used.
Prepare Empathy Map	Prepare Empathy Map Canvas to capture the user Pains & Gains, Prepare list of problem statements	24 SEPTEMBER 2022	<ul style="list-style-type: none"> Empathy map enabled us together all the ideas at one single place. Successfully segregated the pros, cons, public opinion and time required for building of the app and other factors clearly. Very helpful when we were at the scratch.
Ideation	List the by organizing the brainstorming session and prioritize the top 3 ideas based on the feasibility & importance.	25 SEPTEMBER 2022	<ul style="list-style-type: none"> Brainstorming session enabled us to join together and collectively give various ideas to solve existing problem. Based on the priority, best ideas to implement and booming technologies suggested were plotted in the graph for clear cut understanding.

MILESTONE ACTIVITY PLAN

TITLE	DESCRIPTION	DATE	ACHIEVEMENT
Proposed Solution	Prepare the proposed solution document, which includes the novelty, feasibility of idea, business model, social impact, scalability of solution, etc.	23 SEPTEMBER 2022	<ul style="list-style-type: none"> Once the ideation was finished, we as team now decided our own solution in order to solve the existing problem. Document made on the Problem statement, customer satisfaction and uniqueness made to understand the core of the existing problem, much better.
Problem Solution Fit	Prepare problem - solution fit document.	29 SEPTEMBER 2022	<ul style="list-style-type: none"> Similar to ideation, where we were actually thinking on the side of user and noted the pros, cons, issues faced in using the app. Pointed out the triggers and problem root cause and also the available solutions that reduce the effects of their inability. See that, the proposed solution can be a bonanza besides the available solution to the disabled.
Solution Architecture	Prepare solution architecture document.	29 SEPTEMBER 2022	<ul style="list-style-type: none"> In this phase, we as a team made an architecture diagram which would describe the role performed by admin, end user and the operations being performed. The operations involved in the proposed solution are briefed in this diagram.

MILESTONE ACTIVITY PLAN

TITLE	DESCRIPTION	DATE	ACHIEVEMENT
Customer Journey	Prepare the customer journey maps to understand the user interactions & experiences with the application (entry to exit).	06 OCTOBER 2022	<ul style="list-style-type: none"> Listed different factors like Research, Comparison with others, working condition of the app, questioning and sign out. It made to understand the customer's point of view precisely before , at present and after using the app.
Functional Requirement	Prepare the functional requirement document.	06 OCTOBER 2022	<ul style="list-style-type: none"> Stated the software and hardware requirements required from user's side in order to use the app. Also mentioned the specifications and the functionalities required to use the app.
Data Flow Diagrams	Draw the data flow diagrams and submit for review.	12 OCTOBER 2022	<ul style="list-style-type: none"> DFD is constructed in order to understand the start and end process of app usage. Also, mentioned the user stories along with their sprints to determine the amount of time required in implementing the particular sprint.
Technology Architecture	Prepare the technology architecture diagram.	12 OCTOBER 2022	<ul style="list-style-type: none"> Given a detailed mind-blowing architecture where all the technologies are used and also the sequential process from start to end. Sample outputs provided enriched the quality and importance of using the app.

MILESTONE ACTIVITY PLAN

Prepare Milestone & Activity List	Prepare the milestones & activity list of the project.	20 OCTOBER 2022	<ul style="list-style-type: none"> Made us to list the achievements obtained in each and every phase. Made us to feel good and confident to move forward towards development phase.
Project Development - Delivery of Sprint-1, 2, 3 & 4	Develop & submit the developed code by testing it.	IN PROGRESS...	<ul style="list-style-type: none"> Entire development phase is divided into four sprints. Design and build each and every module .