

Project Planning Phase

Project Planning Template (Product Backlog, Sprint Planning, Stories, Story points)

Date	20 October 2022
Team ID	PNT2022TMID29964
Project Name	Real-Time Communication System Powered by AI for Specially Abled
Maximum Marks	8 Marks

Product Backlog, Sprint Schedule, and Estimation (4 Marks)

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	User Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	10	High	Nivetha Sembarythi Subha sri
Sprint-1	User Confirmation	USN-2	As a user, I can log into the application by entering email & password and Confirmation via Email, Confirmation via OTP	10	Moderate	Monika Krithiksha
Sprint-2	Dashboard	USN-3	As a user, I can access my dashboard	5	Moderate	Nivetha Sembarythi Subha sri

Sprint-2	Image Capturing Processing	USN-4	Provides Access to Capture Image Through Camera Provides Access to Upload Image Through Gallery, As a user, I can upload the sign language image for translating into text format	5	High	Nivetha Subha sri Krithiksha
Sprint-2	Text Conversion System	USN-5	System converts the sign language into a Text using the CNN model (deep learning algorithm)	5	High	Krithiksha Nivetha Sembarythi Subha sri Monika
Sprint-2	Sentence level Translation	USN-6	A System that recognizes separate signs one-by one could only provide a translation in a situation where SEE (Signed Extract English) is provided	5	High	Krithiksha Nivetha Sembarythi Subhasri Monika
Sprint-3	Review	USN-7	Users can give their the feedback or review on the Review page about the Application	10	High	Krithiksha Nivetha Sembarythi Subhasri Monika
Sprint-3	Solution	USN-8	As a user, If user get any queries, then they get suggestions through Help desk.	10	Moderate	Krithiksha Nivetha Sembarythi Subhasri Monika

Sprint-4	Testing & Deployment Phase-I	USN-9	Testing the Real time communication system performance with the trained conversations/As a user, I can know the Real time communication system performance level	5	High	Krithiksha Subhasri Monika
		USN-10	Integration of Flask webpage with the Real time communication system to provide a framework/As a user, I can see a webpage to access the Real time communication system	5	High	Krithiksha Nivetha Subha sri
Sprint-4	Deployment Phase-II & Model Improvement	USN-11	Deployment of AI based Real time communication system for specially abled people or Running the Real time communication system service/As a user, I can see and use a 24*7 Real time communication system	5	High	Krithiksha Nivetha Sembarythi Subhasri Monika
		USN-12	Improving the model efficiency whenever needed/As a user, I can see new updated Real time communication system in Future days.	5	High	Krithiksha Nivetha Sembarythi Subhasri Monika

Project Tracker, Velocity & Burndown Chart: (4 Marks)

Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (as on Planned End Date)	Sprint Release Date (Actual)
Sprint-1	20	4 Days	31 Oct 2022	03 Nov 2022	20	03 Nov 2022
Sprint-2	20	5 Days	03 Nov 2022	07 Nov 2022	20	07 Nov 2022
Sprint-3	20	5 Days	08 Nov 2022	12 Nov 2022	20	12 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	20	19 Nov 2022

Velocity:

The team's average velocity (AV) per iteration unit (story points per day)

$$AV = 20/6 = 3.34$$

