

Project Planning Phase
Project Planning Template (Product Backlog, Sprint Planning, Stories, Storypoints)

Date	23October 2022
Team ID	PNT2022TMID30205
Project Name	Project - 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	Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	5	High	Subiksha S
Sprint-1		USN-2	As a user, I can register for the application through mobile number.	1	High	Priyasha S
Sprint-1		USN-3	As a user, I can register for the application through Gmail	2	Medium	Praveen kumar S
Sprint-1	Login	USN-4	As a user, I can log into the application by entering email & password	3	High	Subiksha S
Sprint-1	User Details	USN-5	As a user, I can give my details.	2	Medium	Siva vimel Rajhen
Sprint-2	Collection of Data	USN-6	As a admin, I can collect the Data from different sources could be internal and/or external to satisfy therequirements/problems.	8	Medium	Subiksha S
Sprint-2	Clean the data	USN-7	As a admin, I can clean dataset to improve	5	Medium	Praveen Kumar S

			the model			
Sprint-2	Speech / Image Pre-processing	USN-8	As a admin,I can Perform Pre-processing techniques on the dataset	8	Medium	Siva Vimel Rajhen
Sprint-3	Training and testing data	USN-9	As a admin, I can train the model and to test its efficiency and performance of the model	5	High	Siva Vimel Rajhen
Sprint-3	Build model	USN-10	As a admin, I can build a model for selecting correct ML algorithm	13	High	Siva Vimel Rajhen
Sprint-3	Make predictions	USN-11	As a admin, I can Use algorithms to cast predictions and forecast trends	8	High	Priyasha S
Sprint-4	Evaluate and improve	USN-12	As a admin, I can test the accuracy and precision of the model and Improving the performance	8	High	Priyasha S
Sprint-4	Model Deploy	USN-13	Deploying ML model in production	5	High	Siva Vimel Rajhen

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	13	6 Days	24 Oct 2022	29 Oct 2022		
Sprint-2	21	6 Days	31 Oct 2022	05 Nov 2022		
Sprint-3	26	6 Days	07 Nov 2022	12 Nov 2022		
Sprint-4	13	6 Days	14 Nov 2022	19 Nov 2022		

Velocity:

$$AV = \frac{\textit{sprint duration}}{\textit{velocity}}$$

For Sprint-1 the Average Velocity(AV) is:

$$\textbf{AV = Sprint Duration / velocity = 13/ 6 = 2.2}$$

For Sprint-2 the Average Velocity(AV) is:

$$\textbf{AV = Sprint Duration / velocity = 21/ 6 = 3.5}$$

For Sprint-3 the Average Velocity(AV) is:

$$\textbf{AV = Sprint Duration / velocity = 26 / 6 = 4.3}$$

For Sprint-4 the Average Velocity(AV) is:

$$\textbf{AV = Sprint Duration / velocity = 13 / 6 = 2.2}$$

Burndown Chart:

