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

Team ID	PNT2022TMID34277
Project Name	Project – **Real -Time Communication System Powered By AI For Specially Abled**

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

Use the below template to create product backlog and sprint schedule

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Registration	USN-1	Not Required	2	High	-
Sprint-1	Login	USN-2	Not Required	1	High	-
Sprint-1	Main page	USN-4	As a User, **I can enter the web page once clicked, which provides be the Guidelines** to use the app	1	Medium	**ASHWATH.K** **DHANISH.T.S**
Sprint-1	Guidelines	USN-5	As a User , **I can give a read through the guidelines to understand the functioning of the app.**	1	Medium	**ASHWATH.K** **DHARUN.S** **SUJITH.S**

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-2	Convert Sign	USN-6	As a User, **I can click the button Convert sign** , which directs me towards the Main screen	4	Medium	**ASHWATH.K** **SUJITH.S** **DHANISH.T.S** **DHARUN.S**

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-2	**Camera(Hand movement detection)**	USN-7	As a User, **I can show my hand sign towards the camera which converts them into text manner.**	8	High	**ASHWATH.K** **DHARUN.S**
Sprint-3	Voice mode	USN-8	Once the text is obtained, As a User **I can click on the voice mode which provides the text in the form of speech.**	3	High	**ASHWATH.K** **SUJITH.S** **DHANISH.S**
Sprint-1	**Provide the necessary functionalities required to use the app.**		As an Executive, I can **provide the Specifications of Camera required, and other factors** that are required for smooth functioning of the app.	1	Low	**ASHWATH.K** **SUJITH.S**

Sprint	Title		User Story	Points	Priority	Members
Sprint-4	**Check the performance of the app**		As an Executive, I can **check the usage and queries obtained from the end users**.	1	Medium	**ASHWATH.K** **DHANISH.T.S**
Sprint-4	**Receive queries based on the usage**		As an Admin, I can **take the queries from the customer care and perform the testing phase again , loading the other signs in the dataset**, in order to make the customers to use the app effectively.	2	High	**ASHWATH.K** **SUJITH.S** **DHANISH.T.S** **DHARUN.S**

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

Velocity:

Imagine we have a 10-day sprint duration, and the velocity of the team is 20 (points per sprint). Let's calculate the team's average velocity (AV) per iteration unit (story points per day)

$$AV = \frac{sprint\ duration}{velocity} = \frac{20}{10} = 2$$

Burndown Chart:

A burn down chart is a graphical representation of work left to do versus time. It is often used in agile software development methodologies such as Scrum. However, burn down charts can be applied to any project containing measurable progress over time.