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

Team ID	PNT2022TMID02268
Project Name	Real-Time Communication System Powered by AI for Specially Abled

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

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-3	User Input	USN-1	As a user, I can input my sign-language to the system for processing.	10	Low	Surya Narayanan, Goutham Raj
Sprint-1	User Input	USN-2	As a user, I can input sign-language images to the system for processing.	10	High	Balapathy, Surya Narayanan
Sprint-2	User Input	USN-3	As a user, I can make sure the input is captured correctly by the system.	5	Medium	Surya Narayanan, Santhosh
Sprint-2	Processing	USN-4	As a user, I can ensure that the sign-language input is correctly getting translated into normal message and voice.	10	Medium	Surya Narayanan, Santhosh, Goutham Raj
Sprint-1	Processing	USN-5	As a user, I can get acknowledgement from the system about the processing of the input.	5	High	Balapathy, Surya Narayanan
Sprint-3	Processing	USN-6	As a user, I will get feedback about the processing of the system.	10	Low	Surya Narayanan, Goutham Raj
Sprint-1	System Output	USN-7	As a user, I can acknowledge the output of the system by ensuring messages are displayed.	5	High	Surya Narayanan, Balapathy
Sprint-2	System Output	USN-8	As a user, I can get feedback about the system from its output.	5	Medium	Surya Narayanan, Santhosh

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	6 Days	24 Oct 2022	29 Oct 2022		29 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022		05 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022		12 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022		19 Nov 2022

Velocity:

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.

	OCT							NOV							NOV							NOV							
	24	25	26	27	28	29	30	31	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Sprints				RTCSPBAF Sprint 1																								
❯ ⚡ RTCSPBAFSA-9 User Input																												
❯ ⚡ RTCSPBAFSA-10 Processing																												
❯ ⚡ RTCSPBAFSA-14 System Output																												
⚡ RTCSPBAFSA-15 Sprint - 4																												