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

Date	21 October 2022
Team ID	PNT2022TMID19999
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-3	User Input	USN-1	As a user, I can input my sign-language to thesystem for processing.	10	Low	Jenifer, Aarthi
Sprint-1	User Input	USN-2	As a user, I can input sign-language images tothe system for processing.	10	High	Joshitha, Anooshri
Sprint-2	User Input	USN-3	As a user, I can make sure the input is captured correctly by the system.	5	Medium	Aarthi, Anooshri
Sprint-2	Processing	USN-4	As a user, I can ensure that the sign-language input is correctly getting translated into normalmessage and voice.	10	Medium	Anooshri, Jenifer
Sprint-1	Processing	USN-5	As a user, I can get acknowledgement from thesystem about the processing of the input.	5	High	Jenifer, Aarthi
Sprint-3	Processing	USN-6	As a user, I will get feedback about theprocessing of the system.	10	Low	Joshitha, Anooshri
Sprint-1	System Output	USN-7	As a user, I can acknowledge the output of thesystem by ensuring messages are displayed.	5	High	Joshitha, Jenifer

Sprint-2	System Output	USN-8	As a user, I can get feedback about the systemfrom its output.	5	Medium	Aarthi, Joshitha

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

Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (as onPlanned 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.