

## Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID14967
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	Data Collection	USN-1	Collect Dataset	2	High	Minish, Thillai Raj
Sprint-1		USN-2	Collect Key points using Media Pipe Holistic	1	High	Aakash
Sprint-2	Build of the model	USN-3	Model initialisation with required layers	2	High	Harish,Minish, Ejass Mohammed
Sprint-2		USN-4	Training model using LSTM from key points collected	2	Medium	Aakash, Thillai Raj
Sprint-3	Testing the model	USN-5	Testing the model's performance	10	High	Ejass Mohammed, Harish, Thillai Raj
Sprint-4	Implementation of speech feature	USN-6	Converting text to speech using Google API(Any API)	10	Medium	Thillai Raj

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

<b>Sprint</b>	<b>Total Story Points</b>	<b>Duration</b>	<b>Sprint Start Date</b>	<b>Sprint End Date (Planned)</b>	<b>Story Points Completed (as on Planned End Date)</b>	<b>Sprint Release Date (Actual)</b>
Sprint-1	20	6 Days	24 Oct 2022	29 Oct 2022	10	29 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	5	05 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	6	12 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	6	19 Nov 2022

**Velocity:**

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

$$\textit{Average Velocity} = 6/10 = 0.6$$

**Burndown Chart:**

