

## Project Planning Phase

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

Date	24 October 2022
Project Name	Project - Real Time Communication System Powered by AI for Specially Abled
Maximum Marks	8 Marks

#### Product Backlog, Sprint Schedule, and Estimation

Use the below template to create product backlog and sprint schedule

Team Lead: **Mridula S**

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Data Collection	USN-1	Collect Dataset .	10	High	Srimathi Mullasarfaraz Muruganandham
Sprint-1		USN-2	Image preprocessing	8	Medium	Srimathi Mullasarfaraz Muruganandham
Sprint-2	Model Building	USN-3	Import the required libraries, add the necessary layers and compile the model	10	High	Srimathi Mullasarfaraz Muruganandham
Sprint-2		USN-4	Training the image classification model using CNN	7	Medium	Srimathi Mullasarfaraz Muruganandham
Sprint-3	Training and Testing	USN-5	Training the model and testing the model's performance	9	High	Srimathi Mullasarfaraz Muruganandham
Sprint-4	Implementation of the application	USN-6	Converting the input sign language images into English alphabets	8	Medium	Srimathi Mullasarfaraz Muruganandham

**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	10	6 Days	24 Oct 2022	29 Oct 2022	8	29 Oct 2022
Sprint-2	10	6 Days	31 Oct 2022	04 Nov 2022	5	04 Nov 2022
Sprint-3	10	6 Days	07 Nov 2022	11 Nov 2022	7	11 Nov 2022
Sprint-4	10	6 Days	14 Nov 2022	18 Nov 2022	5	18 Nov 2022

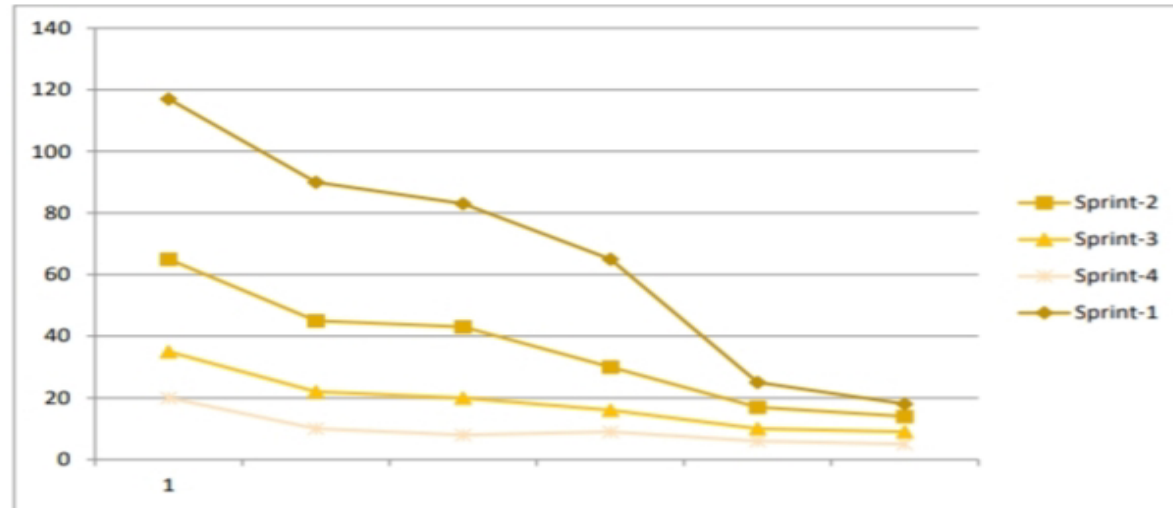
**Velocity:**

Imagine we have a 10-day sprint duration, and the velocity of the team is 05 (points per sprint). Let's calculate the team's average velocity (AV) per iteration unit (story points per day)

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

$$AV = 5/10 = 0.5$$

## Burndown chart:



SPRINT BURNDOWN CHART:

