

## Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID00995
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)

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	User Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password or through Gail, Facebook.	20	High	GAYATHRI.M DHATCHAYINI. B JYOTHISREE.M LIVAPRIYA.R SHRUTHILAYAA
Sprint-2	Data Input	USN-2	As a user, I will be giving the input via Camera as sign language or via speech.	20	High	GAYATHRI.M DHATCHAYINI. B JYOTHISREE.M LIVAPRIYA.R SHRUTHILAYAA
Sprint-3	Data Verification	USN-3	Once the user gives the data input via sign languages or speech it verifies with the database.	20	High	GAYATHRI.M DHATCHAYINI. B JYOTHISREE.M LIVAPRIYA.R SHRUTHILAYAA
Sprint-4	Final Delivery	USN-4	Verifies with the data set and converts the input to text messages.	20	High	GAYATHRI.M DHATCHAYINI. B JYOTHISREE.M LIVAPRIYA.R SHRUTHILAYAA

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

**Velocity:**

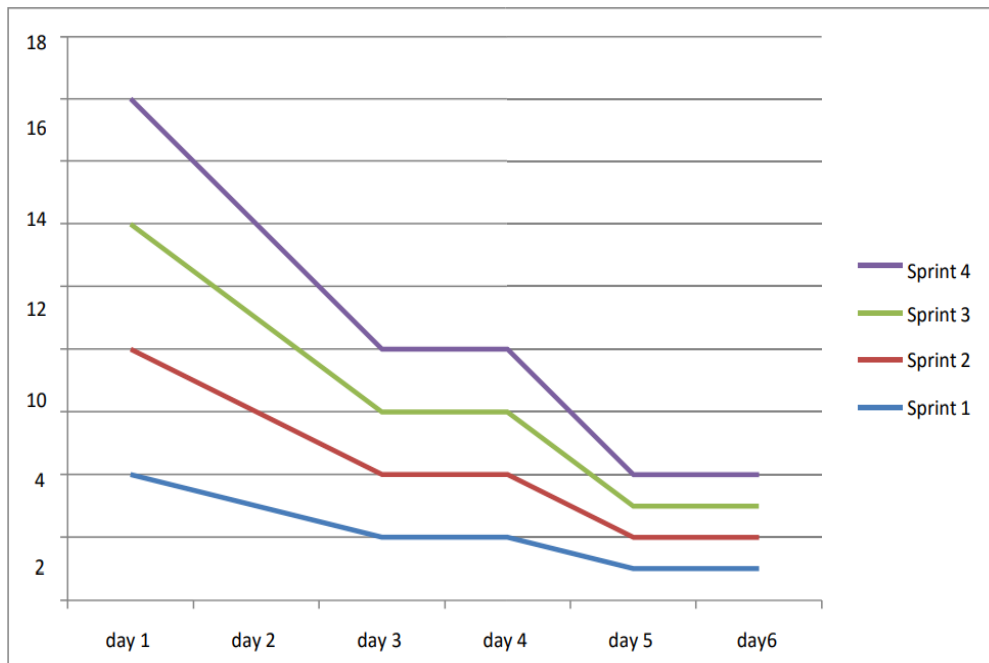
Imagine we have a 10-day sprint duration, and the velocity of the team is 20 (points per sprint). Let's calculate the team's average velocity (AV) per iteration unit (story points per day)

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

### Burndown Chart:

A burndown 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.

### SPRINT SCHEDULE CHART:



SPRINT BURNDOWN CHART:



## JIRA SOFTWARE:

