

## Project Planning Phase

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

Date	21 October 2022
Team ID	PNT2022TMID01158
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	Data Collection	USN-1	Collect Dataset .	10	High	Shalini ,Naga Nandhini
Sprint-1		USN-2	Image preprocessing	7	Medium	Sneka Prabha, Shalini
Sprint-2	Model Building	USN-3	Import the required libraries, add the necessary layers and compile the model	10	High	Nivedha
Sprint-2		USN-4	Training the image classification model using CNN	7	Medium	Nivedha,Shalini
Sprint-3	Training and Testing	USN-5	Training the model and testing the model's performance	10	High	Sneka prabha,Naga Nandhini
Sprint-4	Implementation of the application	USN-6	Converting the input sign language images into english alphabets	7	Medium	Nivedha,Naga Nandhini

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

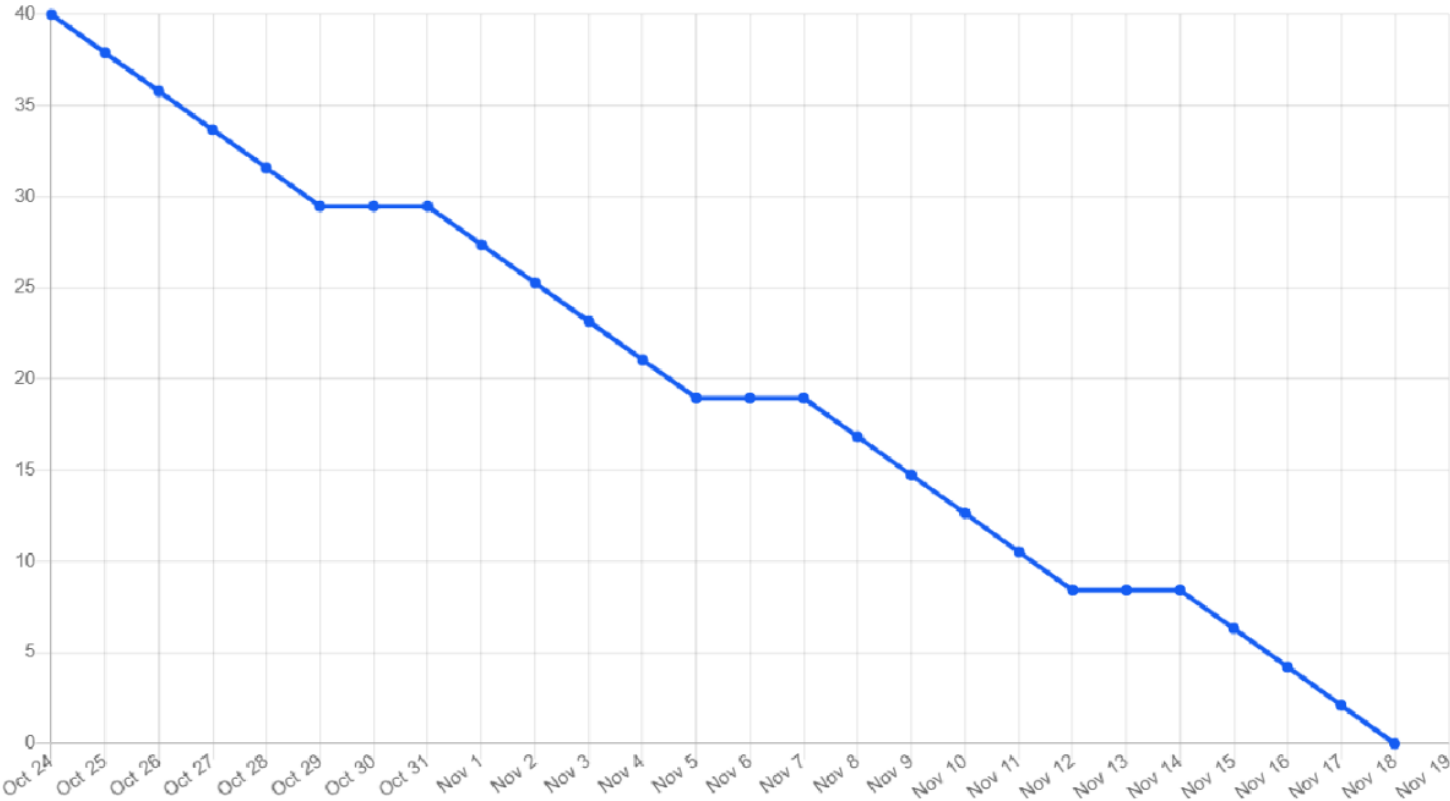
<b>Sprint</b>	<b>Total Story Points</b>	<b>Duration</b>	<b>Sprint Start Date</b>	<b>Sprint End Date (Planned)</b>	<b>Story Points Completed (as on Planned End Date)</b>	<b>Sprint Release Date (Actual)</b>
Sprint-1	10	6 Days	24 Oct 2022	29 Oct 2022	8	29 Oct 2022
Sprint-2	10	6 Days	31 Oct 2022	04 Nov 2022	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:**

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

$$AV = 6/10 = 0.6$$

Burndown Chart:



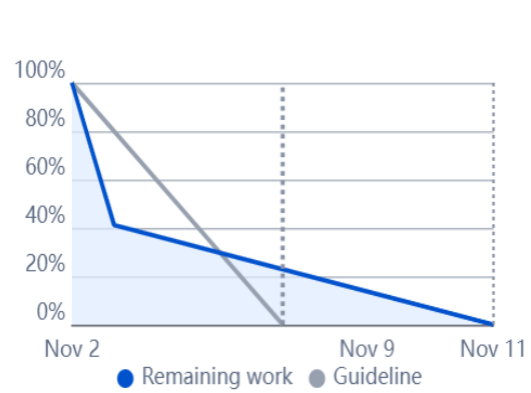
Line graph showing 'Remaining work' (blue line) and 'Guideline' (grey line) over time. The y-axis represents percentage (0% to 100%). The x-axis shows dates from Nov 2 to Nov 29. The 'Remaining work' starts at 100% on Nov 2 and decreases to 0% by Nov 29. The 'Guideline' starts at 100% on Nov 2 and decreases to 0% by Nov 29. A light blue shaded area is visible between Nov 2 and Nov 9.

Date	Remaining work (%)	Guideline (%)
Nov 2	100	100
Nov 9	~80	~80
Nov 29	0	0



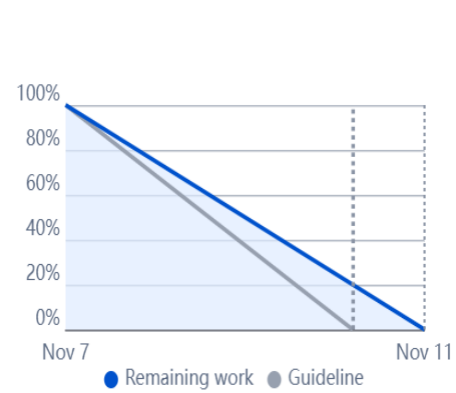
A line graph with the y-axis representing percentage from 0% to 100% in 20% increments. The x-axis shows dates: Nov 2, Nov 9, and Nov 11. Two lines are plotted: a blue line for 'Remaining work' and a grey line for 'Guideline'. Both start at 100% on Nov 2. The 'Remaining work' line drops to approximately 35% by Nov 2 and then gradually declines to 0% by Nov 11. The 'Guideline' line declines linearly to 0% by Nov 9. A vertical dashed line is positioned at Nov 9, and the area under the 'Remaining work' line is shaded light blue.

Date	Remaining work (%)	Guideline (%)
Nov 2	100	100
Nov 2 (approx)	35	~75
Nov 9	~15	0
Nov 11	0	0



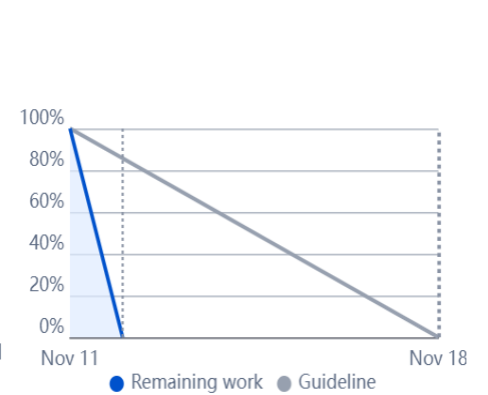
A line graph with the y-axis representing percentage from 0% to 100% in 20% increments. The x-axis shows dates Nov 7 and Nov 11. Two lines are plotted: a blue line for 'Remaining work' and a grey line for 'Guideline'. Both lines start at 95% on Nov 7. The 'Guideline' line decreases linearly to 0% by Nov 11. The 'Remaining work' line decreases more slowly, reaching approximately 15% by Nov 11. The area between the two lines is shaded light blue.

Date	Remaining work (%)	Guideline (%)
Nov 7	95	95
Nov 11	15	0



The graph illustrates the progress of work completion. The y-axis represents the percentage of work remaining, ranging from 0% to 100% in 20% increments. The x-axis shows dates from Nov 11 to Nov 18. A blue line, labeled 'Remaining work', starts at 100% on Nov 11 and drops to 0% by approximately Nov 12. A grey line, labeled 'Guideline', starts at 100% on Nov 11 and decreases linearly to 0% on Nov 18. A light blue shaded area is present under the 'Remaining work' line from Nov 11 to its end point.

Date	Remaining work (%)	Guideline (%)
Nov 11	100	100
Nov 12	0	88.9
Nov 13	0	77.8
Nov 14	0	66.7
Nov 15	0	55.6
Nov 16	0	44.4
Nov 17	0	33.3
Nov 18	0	0



## Roadmap:

	OCT							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	
Sprints	RTCSPBAF Sprint 1							RTCSPBAF Sprint 2							RTCSPBAF Sprint 3							RTCSPBAF Sprint 4						
> <a href="#">RTCSPBAFSA-3 Collecting data</a>																												
> <a href="#">RTCSPBAFSA-8 Model building</a>																												
> <a href="#">RTCSPBAFSA-9 conversion of sign language into En...</a>																												
> <a href="#">RTCSPBAFSA-10 Training the model Testing the mo...</a>																												