

**Project Planning Phase**  
**Product Backlog, Sprint Planning, Stories, Story points**

Date	18 November 2022
TeamID	PNT2022TMID47262
Project Name	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

<b>Sprint</b>	<b>Functional Requirement (Epic)</b>	<b>User Story Number</b>	<b>User Story /Task</b>	<b>Story Points</b>	<b>Priority</b>	<b>Team Members</b>
Sprint-1	Data Collection	USN-1	Collect Dataset .	9	High	Dharshini.D
Sprint-1		USN-2	Image preprocessing	8	Medium	Anusaya.B.G
Sprint-2	Model Building	USN-3	Import the required libraries, add the necessary layers and compile the model	10	High	DurgaDevi.A

Sprint-2		USN-4	Training the image classification model using CNN	7	Medium	Yashini.K
Sprint-3	Training and Testing	USN-5	Training the model and testing the model's performance	9	High	SubhaDharshini.G
Sprint-4	Implementation of the application	USN-6	Converting the input sign language images into English alphabets	8	Medium	Anusaya.B.G

ProjectTracker, Velocity& BurndownChart: (4 Marks)

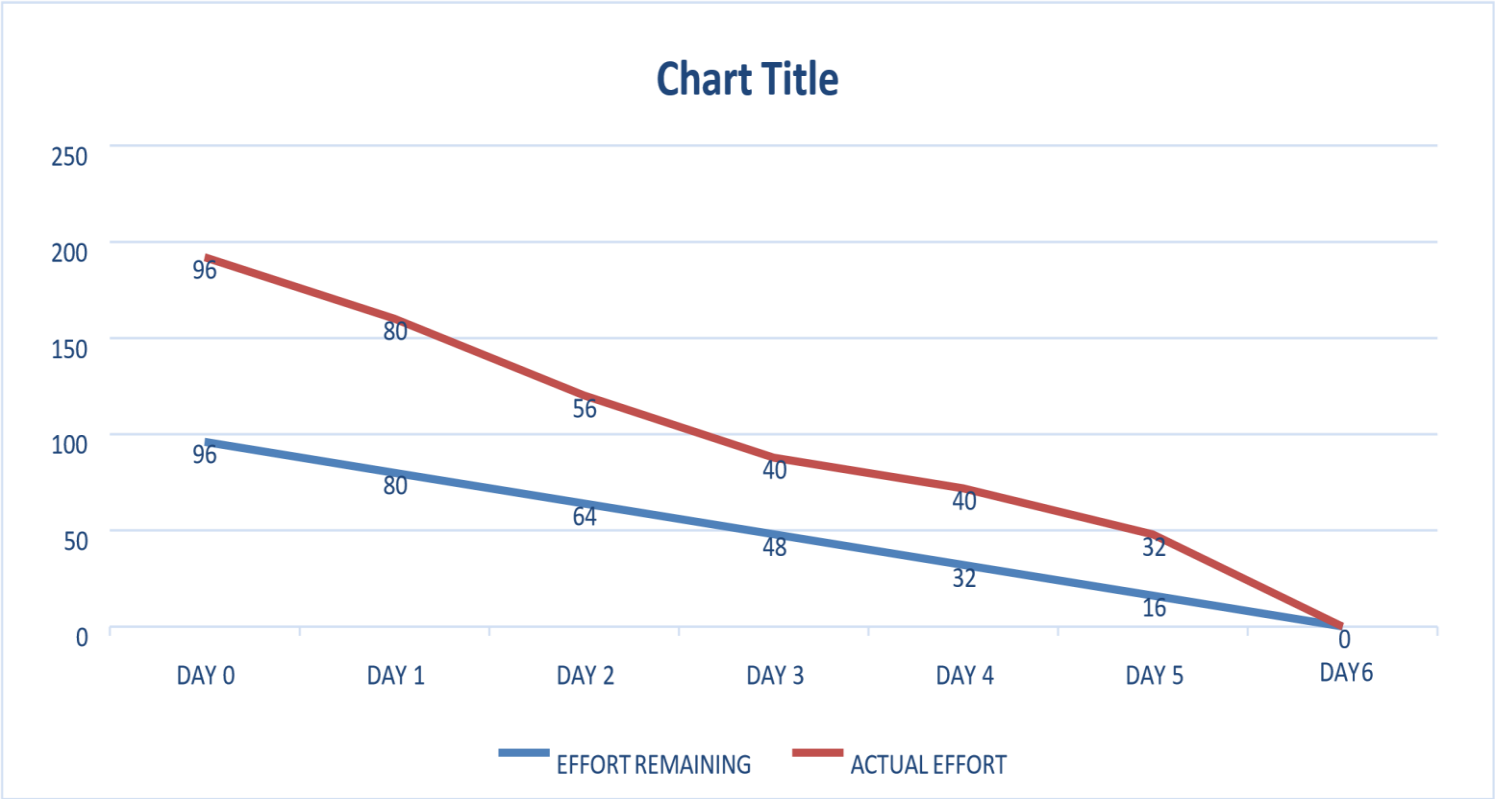
<b>Sprint</b>	<b>Total Story Points</b>	<b>Duration</b>	<b>Sprint Start Date</b>	<b>SprintEnd Date (Planned)</b>	<b>Story Points Completed (as on Planned End Date)</b>	<b>Sprint Release Date (Actual)</b>
Sprint-1	10	6 Days	24 Oct 2022	29 Oct 2022	8	29 Oct 2022
Sprint-2	10	6 Days	31 Oct 2022	04 Nov 2022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

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

$AV = 6/10 = 0.6$

Burndown chart:



**SPRINT BURNDOWN CHART:**

