

## Project Planning Phase

Use the below template to create product backlog and sprint :

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

Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (as on Planned End Date)	Sprint Release Date (Actual)
Sprint1	10	6 Days	24 Oct 2022	29 Oct 2022	8	29 Oct 2022
Sprint2	10	6 Days	31 Oct 2022	04 Nov 2022	5	04 Nov 2022
Sprint3	10	6 Days	07 Nov 2022	11 Nov 2022	7	11 Nov 2022
Sprint4	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:

