
Product Backlog, Sprint Schedule, and Estimation

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

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	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: