Project Planning Phase

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

Team ID	PNT2022TMID29406
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)

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Data collection	USN-1	Collection of required data, login information from user	2	Low	ARUNESHWARI
Sprint-1		USN-2	Image pre-processing	3	High	YAMUNA
Sprint-2	Model building	USN-3	Import the required libraries, add the necessary layers, and compile the model	2	Low	KAVIYA
Sprint-2		USN-4	Training the image classification model using CNN	3	High	ROSHINI
Sprint-3	Training and testing	USN-5	Training the model and testing the model's performance	3	High	NANDHINI
Sprint-3		USN-6	Converting the input sign language images into English alphabets and save model for deployment	2	Low	ARUNESHWARI
Sprint-4	Implementation and dashboard	USN-7	As a user, I can acknowledge the output of the system by ensuring messages are displayed.	2	Low	YAMUNA
Sprint-4		USN-8	As a user, I can get and give feedback about the system from its output.	3	High	KAVIYA

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	05	6 Days	24 Oct 2022	29 Oct 2022	05	05 Nov 2022
Sprint-2	05	6 Days	31 Oct 2022	05 Nov 2022	05	08 Nov 2022
Sprint-3	05	6 Days	07 Nov 2022	14 Nov 2022	05	12 Nov 2022
Sprint-4	05	6 Days	14 Nov 2022	19 Nov 2022	05	19 Nov 2022

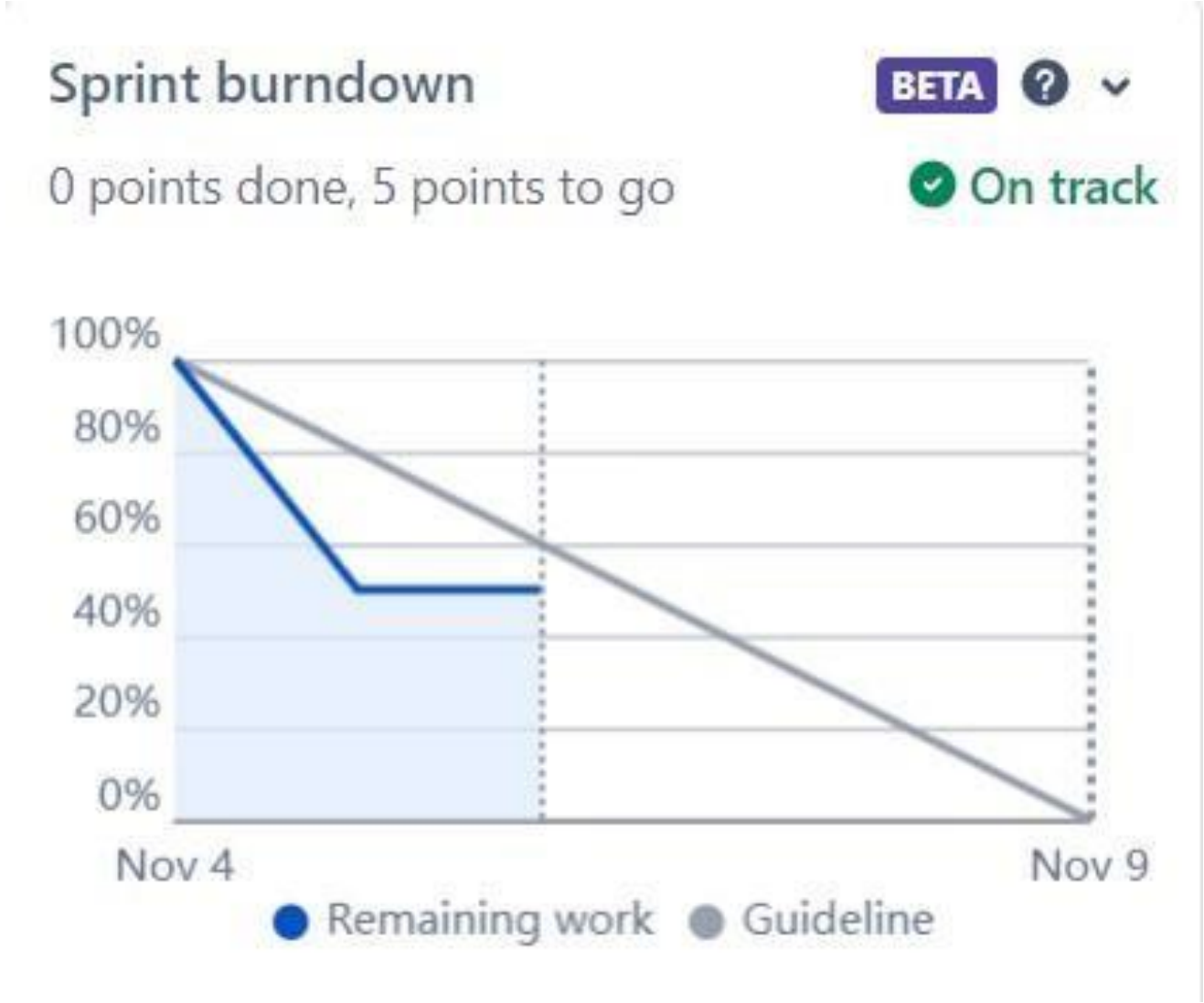
Velocity:
Imagine we have a 10-day sprint duration, and the velocity of the team is 20 (points per sprint). Let's calculate the team's average velocity (AV) per iteration unit (story points per day)

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

$$\mathbf{AV = 5/10 = 0.5}$$

Burndown and velocity chart in jira insights :

Burndown chart:



Velocity chart:


Insights
RCA Sprint 2
Sprint commitment
5 points
On target of 4 - 6 points
5
Average points completed
over the last 1 sprint