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

Date	18 October 2022
Team ID	PNT2022TMID12764
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	UI, AI Model	USN-1	As a user, who has trouble speaking, I want to convey my message through sign-language to normal people for which I need a system that can convert sign-language to speech and text in their mother-tongue	20	High	Jayasuryaa G R
Sprint-2	UI, AI Model	USN-2	As a user, who has trouble hearing, I want the text of the language spoken by others in my mother-tongue so that I can understand others message	15	High	Jayasuryaa G R
Sprint-2	UI, AI Model	USN-3	As a user, who has trouble hearing and speaking, I want text of the language spoken by others in my mother-tongue as well as I want to convey my message through sign-language to normal people in their mother-tongue	5	High	Shri Priyadharshini P
Sprint-3	Registration	USN-4	As a user, I can register for the application through my email and password	10	Medium	Shri Priyadharshini P

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-3		USN-5	As a user, I will receive confirmation emailonce I have registered in the application through email and password	10	Medium	Sowmiya S
Sprint-4	Login	USN-6	As a user, I can log into the application byentering email & password	5	Medium	Sowmiya S
Sprint-4	3rd Party APIs	USN-7	As a user, I can directly log into the application through trusted 3rd parties like Google, Microsoft, Facebook, etc.	15	Low	Viboosithasri N S

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	20	6 Days	24 Oct 2022	29 Oct 2022	20	29 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	20	05 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	20	12 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	20	19 Nov 2022

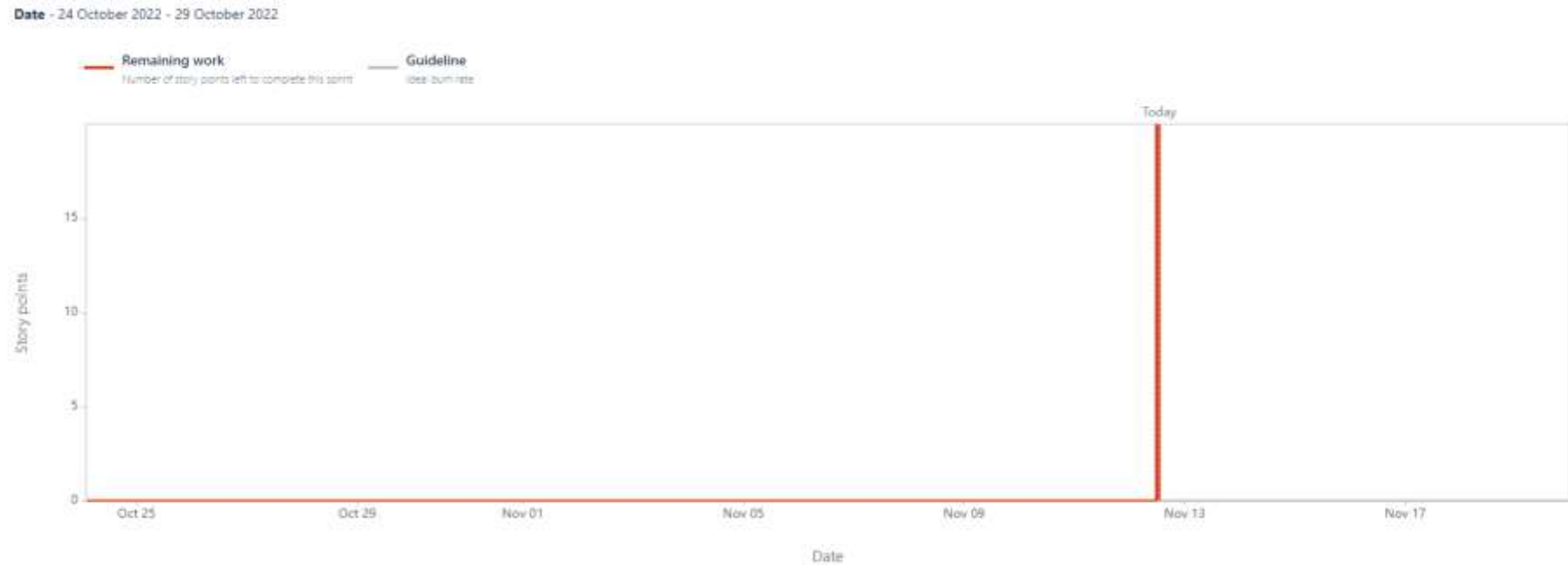## Velocity:

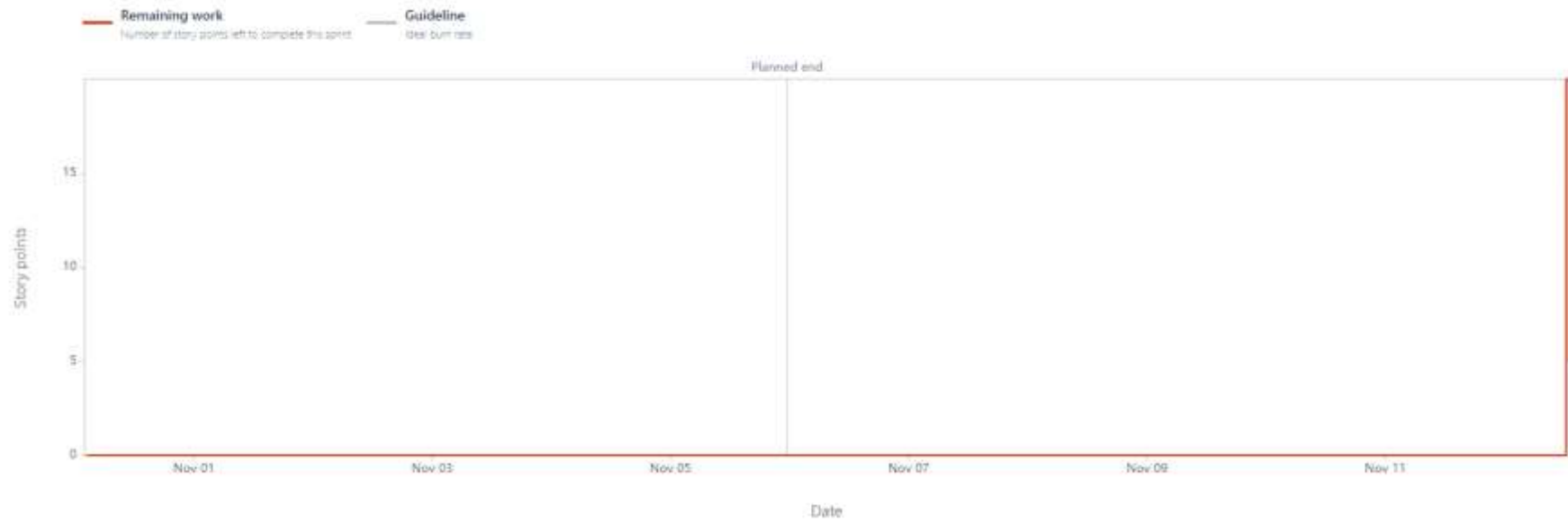Average Velocity per Iteration Unit (Story Points per Day):

$$AV = 20 / 6 = 3.33$$

Burndown Chart:

A burn down chart is a graphical representation of work left to do versus time. It is often used in agile software development methodologies such as Scrum. However, burn down charts can be applied to any project containing measurable progress over time.
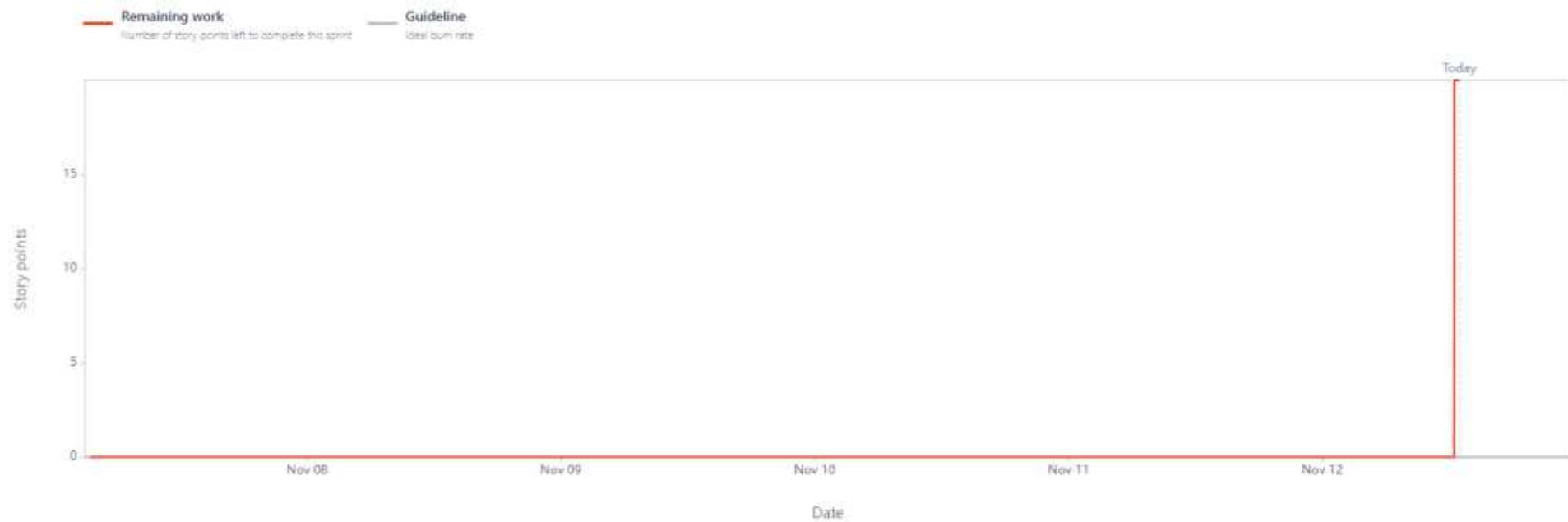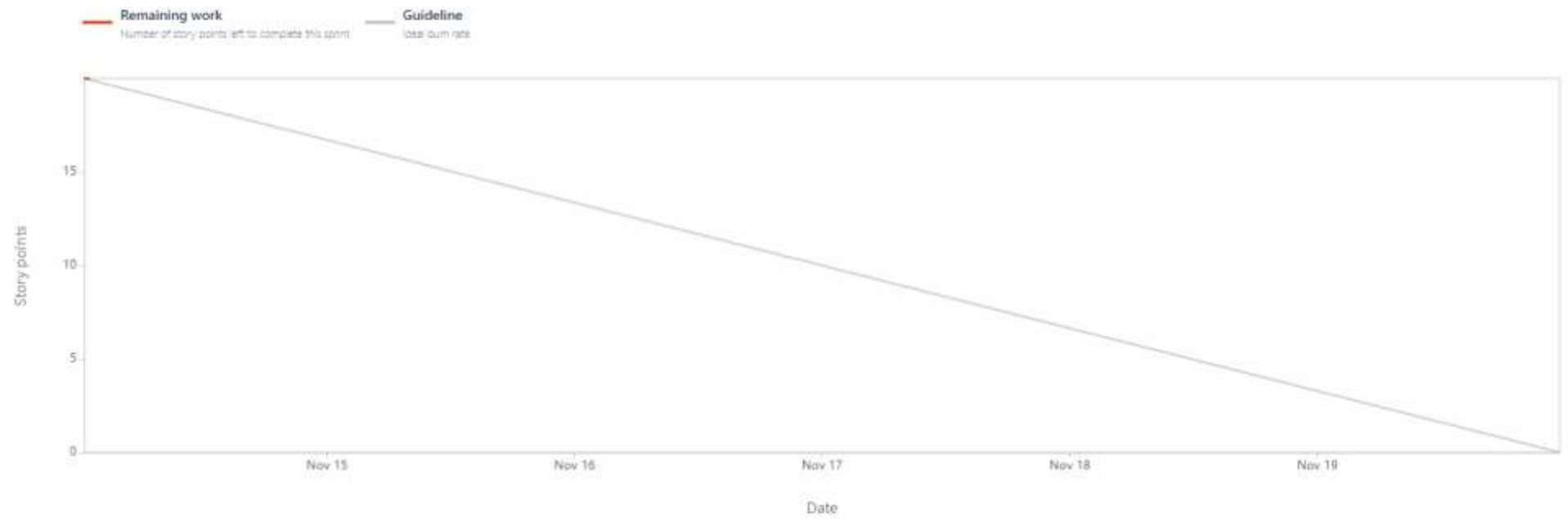

Burndown chart of Sprint-1

Remaining work
Number of story points left to complete this sprint

Guideline
Ideal burn rate

Planned end

Story points

15

10

5

0

Nov 01   Nov 03   Nov 05   Nov 07   Nov 09   Nov 11

Date

Burndown chart of Sprint-2

Burndown chart of Sprint-3

Remaining work
Number of story points left to complete this sprint

Guideline
Ideal burn rate

Story points

15

10

5

0

Nov 15   Nov 16   Nov 17   Nov 18   Nov 19

Date

<u>Burndown chart of Sprint-4</u>