

Project Planning Phase

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

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|--------------|--------------------------|
| Date | 6 November 2022 |
| Team ID | PNT2022TMID51173 |
| Project Name | News Tracker Application |

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 | Registration | USN-1 | As a user, I can register for the application by entering my email, password, and confirming my password. | 2 | High | Prince Vasantharaj R |
| Sprint-1 | Registration | USN-2 | As a user, I can register for the application through E-mail | 1 | High | Sakthi Pandian R |
| Sprint-1 | Confirmation | USN-3 | As a user, I will confirm the registration once I have received the email from the application | 2 | Medium | Naveenkumar G |
| Sprint-1 | Login | USN-4 | As a user, I can log into the application by entering email & password | 2 | High | Jebaraj L |
| Sprint-2 | Dashboard | USN-5 | As a user, I can view the dashboard of the application by entering my email & password | 3 | High | Prince Vasantharaj R |
| Sprint-2 | ChatBot | USN-6 | As a user, I can interact and get help from chatbot | 3 | Medium | Sakthi Pandian R |
| Sprint-2 | Add items to cart | USN-7 | As a user, I can add the products I wish to buy to the carts.. | 3 | Medium | Naveenkumar G |

| | | | | | | |
|----------|--------------------------|--------|--|---|--------|----------------------|
| Sprint-3 | Stock Update | USN-8 | As a user, I can add products that are not available in the dashboard to the stock list. | 5 | Medium | Jebaraj L |
| Sprint-4 | Request to Customer Care | USN-9 | As a user, I can post queries through mail | 5 | Low | Prince Vasantharaj R |
| Sprint-4 | Feedback | USN-10 | As a user, I can give my feedback by submitting the form. | 5 | Low | Sakthi Pandian R |

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 | 7 | 6 Days | 24 Oct 2022 | 29 Oct 2022 | 7 | 29 Oct 2022 |
| Sprint-2 | 9 | 6 Days | 31 Oct 2022 | 05 Nov 2022 | 9 | 29 Oct 2022 |
| Sprint-3 | 5 | 6 Days | 07 Nov 2022 | 12 Nov 2022 | 5 | 12 Nov 2022 |
| Sprint-4 | 10 | 6 Days | 14 Nov 2022 | 19 Nov 2022 | 10 | 19 Nov 2022 |

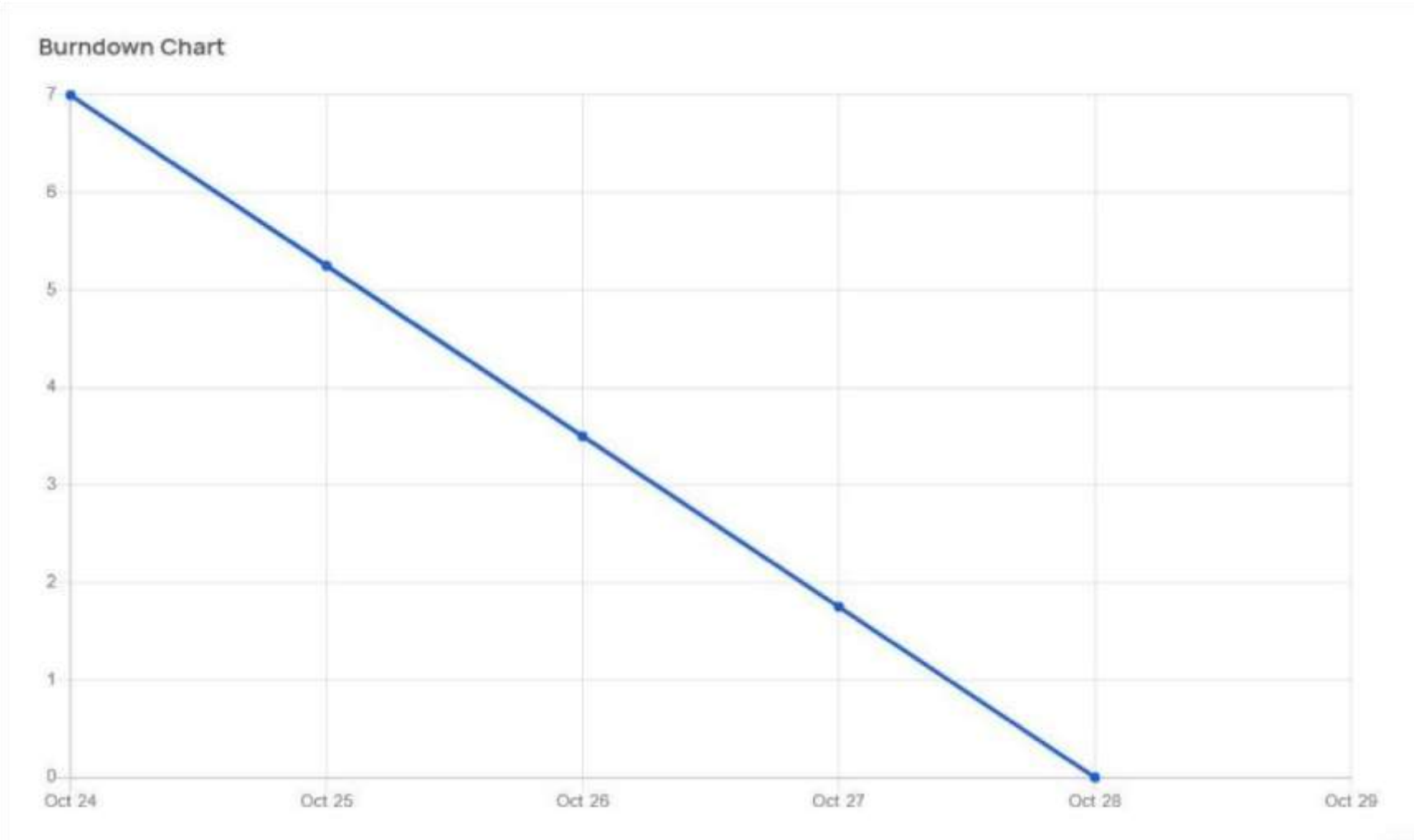
Velocity:

Imagine we have a 10-day sprint duration. 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)

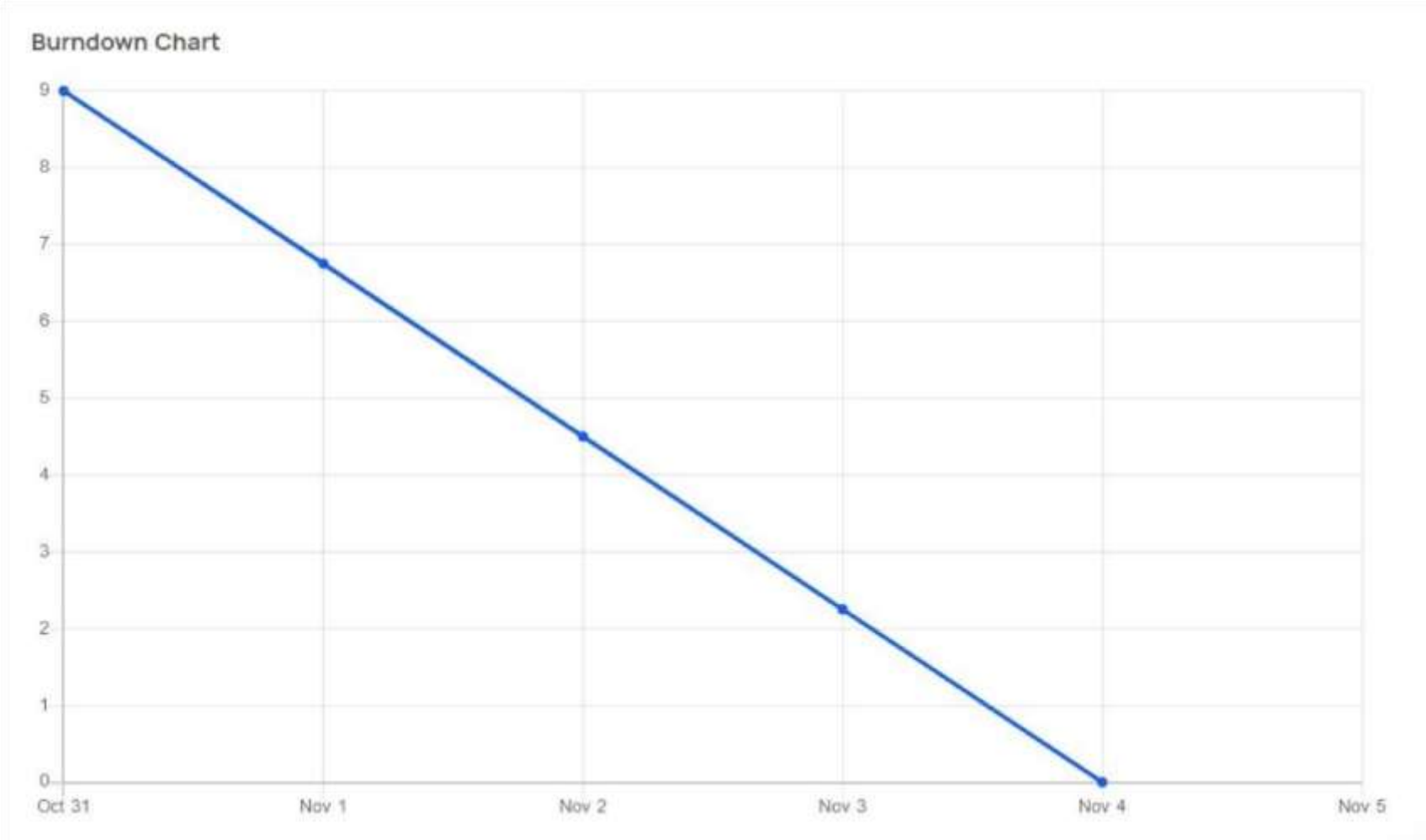
$$AV = \frac{\text{sprint duration}}{\text{velocity}} = \frac{20}{10} = 2$$

| Sprints | Sprint Duration | Velocity | Actual velocity |
|----------|-----------------|----------|-----------------|
| Sprint-1 | 6 | 7 | 0.85 |
| Sprint-2 | 6 | 9 | 0.66 |
| Sprint-3 | 6 | 5 | 1.2 |
| Sprint-4 | 6 | 10 | 0.6 |

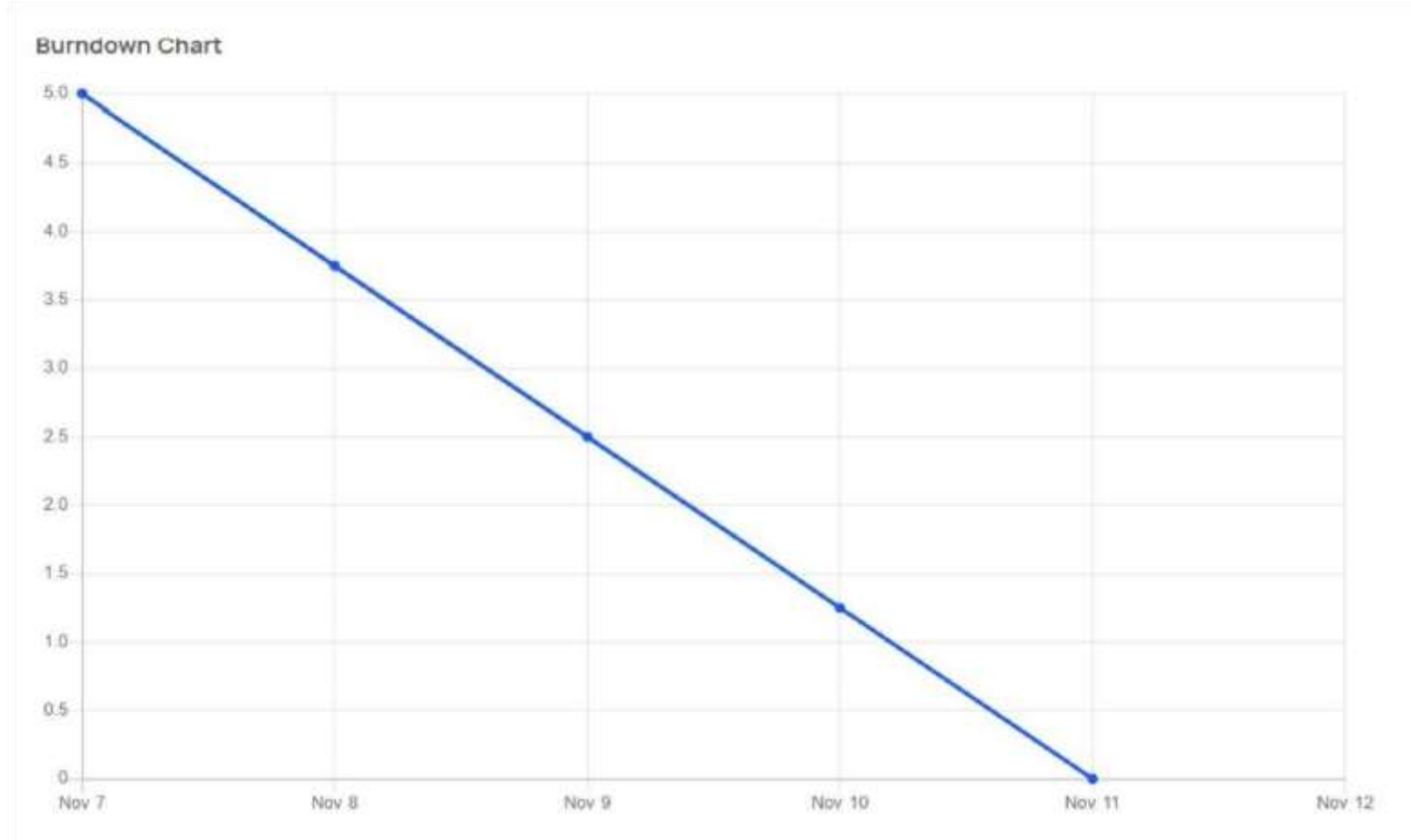
SPRINT 1:



SPRINT 2:



SPRINT 3:



SPRINT 4:

