

## Project Planning Phase

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

Date	06 November 2022
Team ID	PNT2022TMID45996
Project Name	Containment zone Alerting Application
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	Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	10	High	R Sindhuja L Priya Dharshini M Ruthra S Sivaneshwaran
Sprint-2		USN-2	As a user, I can register for the application through Gmail	10	Medium	L Priya Dharshini M Ruthra
Sprint-3	Login	USN-3	As a user, I can log into the application by entering email & password	20	High	S Sivaneshwaran
Sprint-1	Login (Admin)	USN-4	As a admin, I can log into the application by entering email & password	10	High	L Priya Dharshini
Sprint-2	Dashboard (Admin)	USN-5	As a admin, I can track the user details	10	High	M Ruthra
Sprint-4	Data Collection	USN-6	Admin: I need to store all the user data in the cloud	5	Medium	S Sivaneshwaran

**Project Tracker, Velocity & Burndown Chart: (4 Marks)**

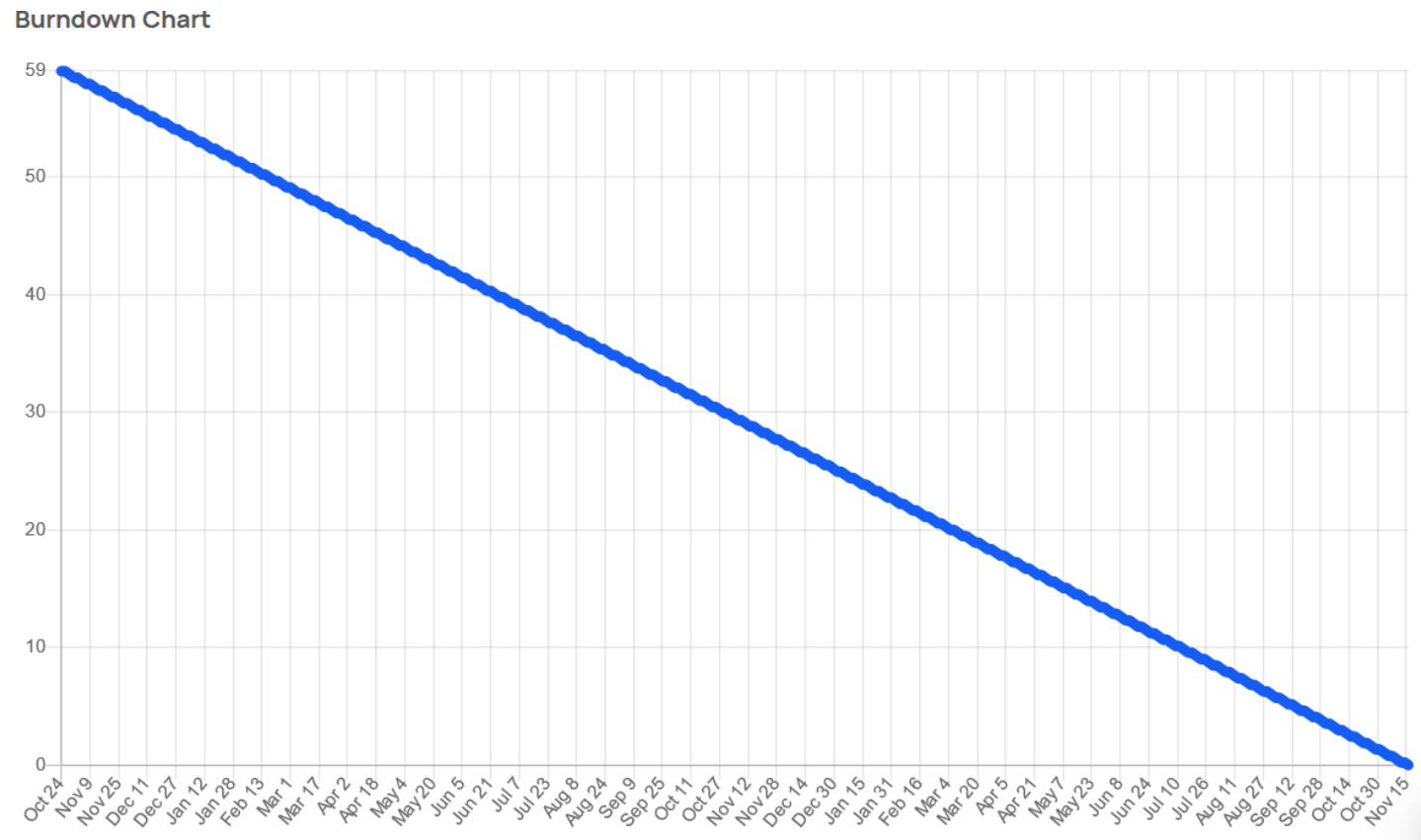
Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (as on Planned End Date)	Sprint Release Date (Actual)
Sprint-1	20	6 Days	31 Oct 2022	05 Nov 2022	10	05 Nov 2022
Sprint-2	20	6 Days	07 Nov 2022	16 Nov 2022	10	16 Nov 2022
Sprint-3	20	6 Days	14 Nov 2022	19 Nov 2022	10	19 Nov 2022
Sprint-4	20	6 Day	18 Nov 2022	23 Nov 2022	10	23 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) = 2

$$AV = \text{sprint duration/velocity} = 60/30 = 2$$

## 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