Project Planning Phase

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

Date	14 November 2022
Team ID	PNT2022TMID35057
Project Name	Real-Time River Water Quality Monitoring and Control System
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.	2	High	Aswinth J, Anto Shawn Roche A, Kabin Bose Y, John Nikkith J
Sprint-1		USN-2	As a user, I will receive confirmation email once I have registered for the application	1	High	Aswinth J, Anto Shawn Roche A, Kabin Bose Y, John Nikkith J
Sprint-2		USN-3	As a user, I can register for the application through Facebook	2	Low	Aswinth J, Anto Shawn Roche A, Kabin Bose Y, John Nikkith J
Sprint-1		USN-4	As a user, I can register for the application through Gmail	2	Medium	Aswinth J,

						Anto Shawn Roche A, Kabin Bose Y, John Nikkith J
Sprint-1	Login	USN-5	As a user, I can log into the application by entering email & password	1	High	Aswinth J, Anto Shawn Roche A, Kabin Bose Y, John Nikkith J

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

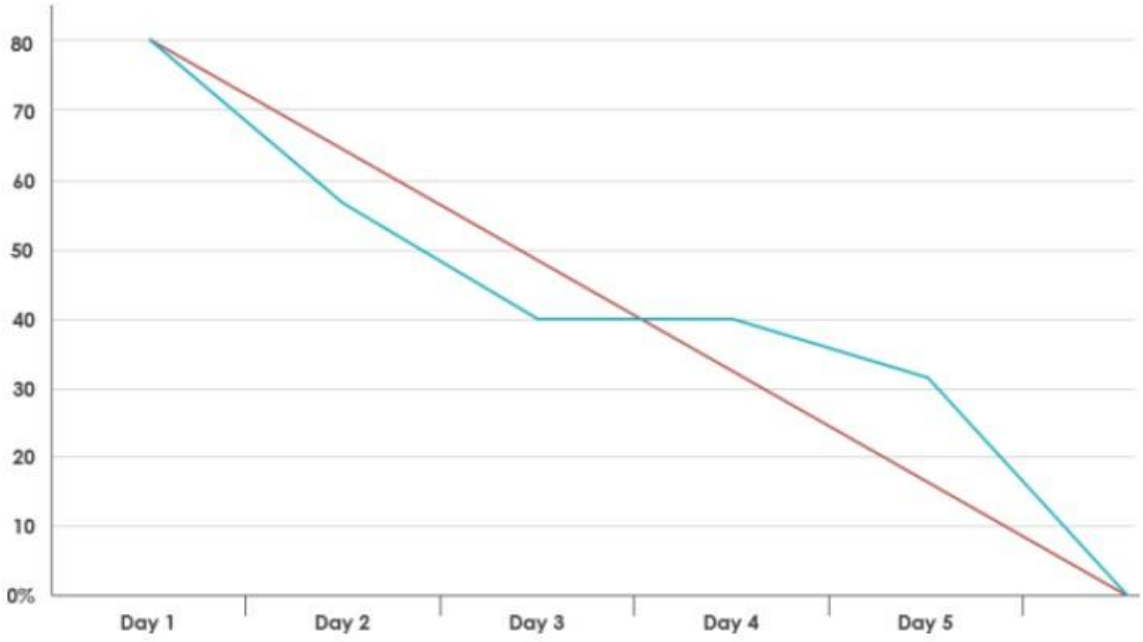
Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (as on Planned End Date)	Sprint Release Date (Actual)
Sprint-1	20	6 Days	24 Oct 2022	29 Oct 2022	20	29 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	30	30 Oct 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	49	06 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	50	07 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)

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

Burndown Chart:


80
70
60
50
40
30
20
10
0%
Day 1
Day 2
Day 3
Day 4
Day 5