Project Planning Phase

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

Date	30 October 2022
Team ID	PNT2022TMID08054
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	Vinayaga moorthy R
Sprint-1	Registration via Facebook	USN-2	As a user, I can register for the application through Facebook	2	Low	VimalKarthik J
Sprint-1		USN-3	As a user,I can register through the gmail or email	2	Low	Vishal k
Sprint-2	Confirmation	USN-4	As a user, I will receive confirmation email once I have registered for the application	2	High	Charan Rohith D
Sprint-2	Login	USN-5	As a user, I can log into the application by entering email & password	2	High	Vishal K
Sprint-3	Dashboard	USN-6	As a user,I can view the sensor readings	3	High	Vinayaga moorthy R
Sprint-3		USN-7	As a user, I can understand the data by visualization concept.	3	Medium	Charan Rohith D
Sprint-4	Administration	USN-8	As a user,I get the notification about the water quality conditions.	3	High	Vishal K
Sprint-4	Fast SMS service	USN-9	As a user, I can get the messages about the water quality conditions.	3	High	VimalKarthik J

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

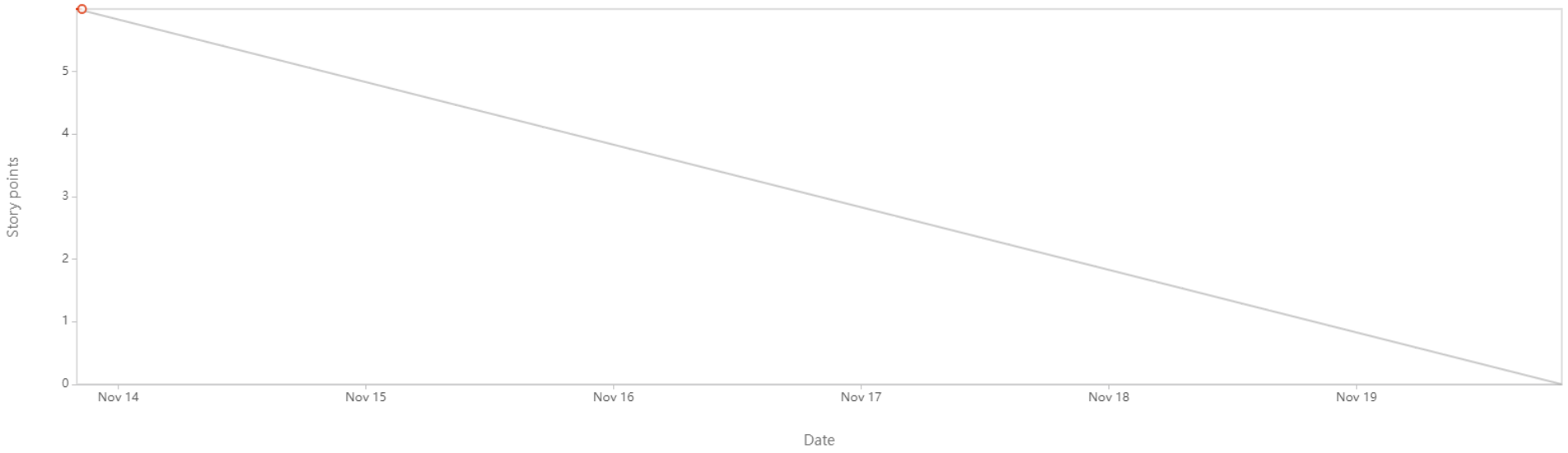
Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (as on Planned End Date)	Sprint Release Date (Actual)
Sprint-1	6	6 Days	24 Oct 2022	29 Oct 2022	6	29 Oct 2022
Sprint-2	4	6 Days	31 Oct 2022	05 Nov 2022	4	31 Oct 2022
Sprint-3	6	6 Days	07 Nov 2022	12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

A burndown 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.


Story points
5
4
3
2
1
0
Nov 14
Nov 15
Nov 16
Nov 17
Nov 18
Nov 19
Date