Project PlanningPhase
Sprint Delivery Plan

Date	5 November 2022
Team ID	PNT2022TMID14081
Project Name	Real-Time River Water Quality Monitoringand 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 confirmingmy password.	2	High	Akil Kumaran T
Sprint-1		USN-2	As a user, I will receive confirmation email onceI have registered for the application	1	High	Bhuvaneswaran S
Sprint-2		USN-3	As a user, I can register for the applicationthrough Facebook	2	Low	Deepan T
Sprint-1		USN-4	As a user, I can register for the applicationthrough Gmail	2	Medium	Kavin Kumar P
Sprint-1	Login	USN-5	As a user, I can log into the application byentering email & password	1	High	Akil Kumaran T

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	5 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	49	12 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	50	18 Nov 2022

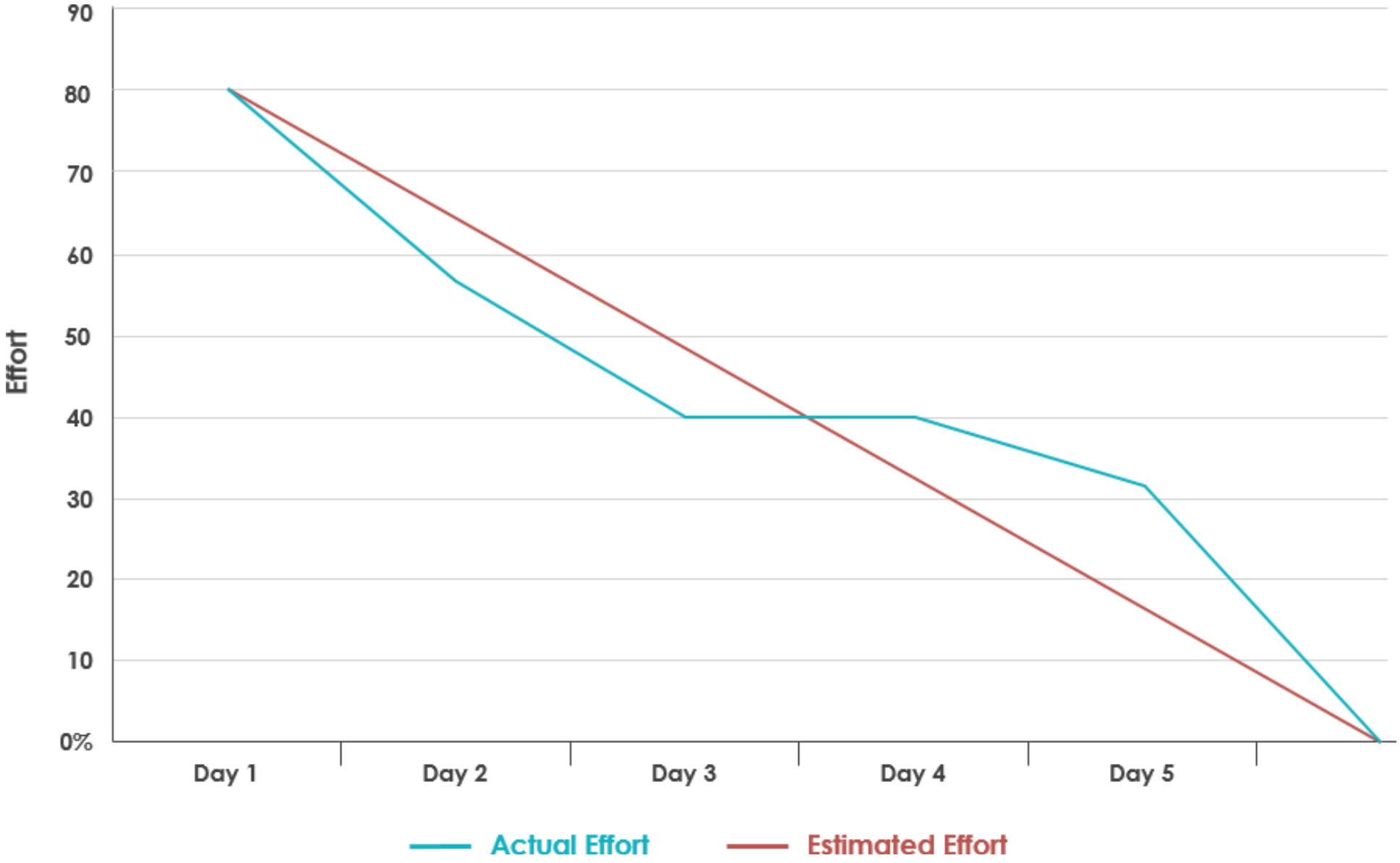
Velocity:

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


90
80
70
60
50
40
30
20
10
0%
Effort
Day 1
Day 2
Day 3
Day 4
Day 5
Actual Effort
Estimated Effort