Project Planning Phase

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

Date	**28 October 2022**
Team ID	**PNT2022TMID28837**
Project Name	**Smart waste management system in metropolitan cities**
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	Login	USN-1	As a User, I need to assign or give user id and password to each and every workers in the municipality corporation.	10	High	Parveen

Sprint-1	Login	USN-2	As a Co-Admin, I will control the waste level by monitoring them via real time web portal when Once the bins get filled, I'll notify trash truck with location of bin along with bin ID.	10	High	Kamesh
Sprint-2	Dashboard	USN-3	As a Truck Driver, I will follow Co-Admin's Instructions to reach the filled garbage bins in short route and save time	20	Medium	Ganesh
Sprint-3	Dashboard	USN-4	As a Local Garbage Collector, I will gather all the waste from the filled garbage bins and loaded it onto a garbage truck, and deliver it to Landfills or dump yard	20	Medium	Siva kumar
Sprint-4	Dashboard	USN-5	As a Municipality officer, I'll make sure everything is proceeding as planned and without any problems	20	High	Parveen shaik

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

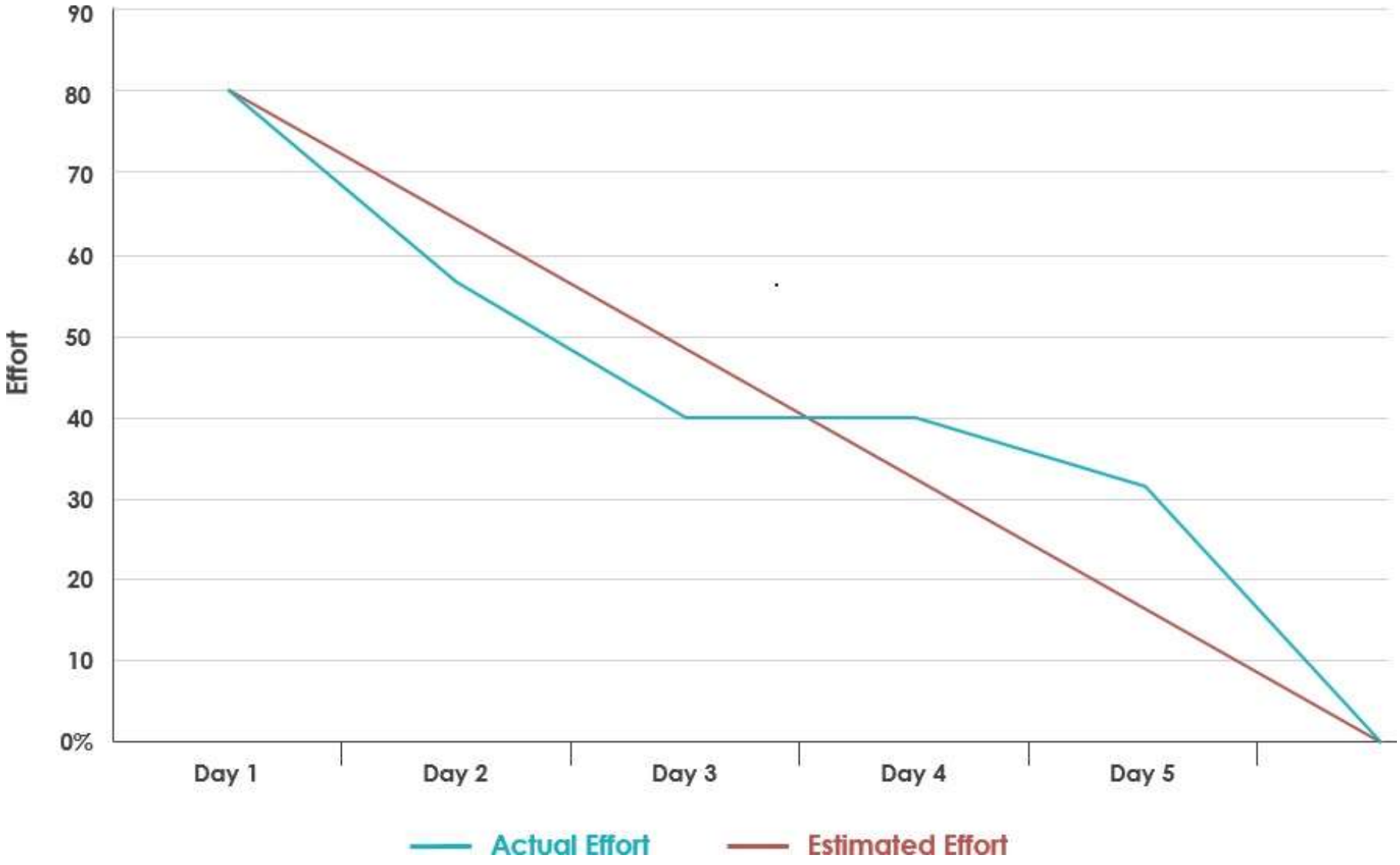
Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (as on Planned End Date)	Sprint Release Date (Actual)
Sprint-1	20	6 Days	24 Oct 2022	29 Oct 2022	20	29 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	20	05 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022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


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