Project Planning Phase

Date	10 November 2022
Team ID	PNT2022TMID34030
Project Name	Smart Waste Management System For 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	Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	4	High	C.Nivetha
Sprint-1	Confirmation	USN-2	As a user, I will receive confirmation email once I have registered for the application	4	High	S.Shajitha
Sprint-2		USN-3	As a user, I can register for the application through Facebook	10	Low	R.V.Raveena
Sprint-1		USN-4	As a user, I can register for the application through Gmail	4	Medium	S.Sruthi
Sprint-1	Login	USN-5	As a user, I can log into the application by entering email & password	4	High	C.Nivetha
Sprint-2	Dashboard	USN-6	As a User, I can Navigate to the Dashboard after successfully Login to the Application.	10	High	S.Shajitha
Sprint-1	Notification	USN-7	As a user when there is an anomalous situation with the child, a notification will be received through the fencing application.	4	High	R.V.Raveena
Sprint-3	Support	USN-8	As a User, I can connect with experts to clear Queries, they assist to overcome challenges by	10	Medium	S.Sruthi

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
			scanning for any glitches and monitoring the operation and by checking if all the users are authorized			
Sprint-3	Login	USN-9	As an Administrator, I can set the Geofence Location Limit and make sure the database encompassing the locations is secure, factual and updated constantly.	10	High	S.Sruthi

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	3 Nov 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

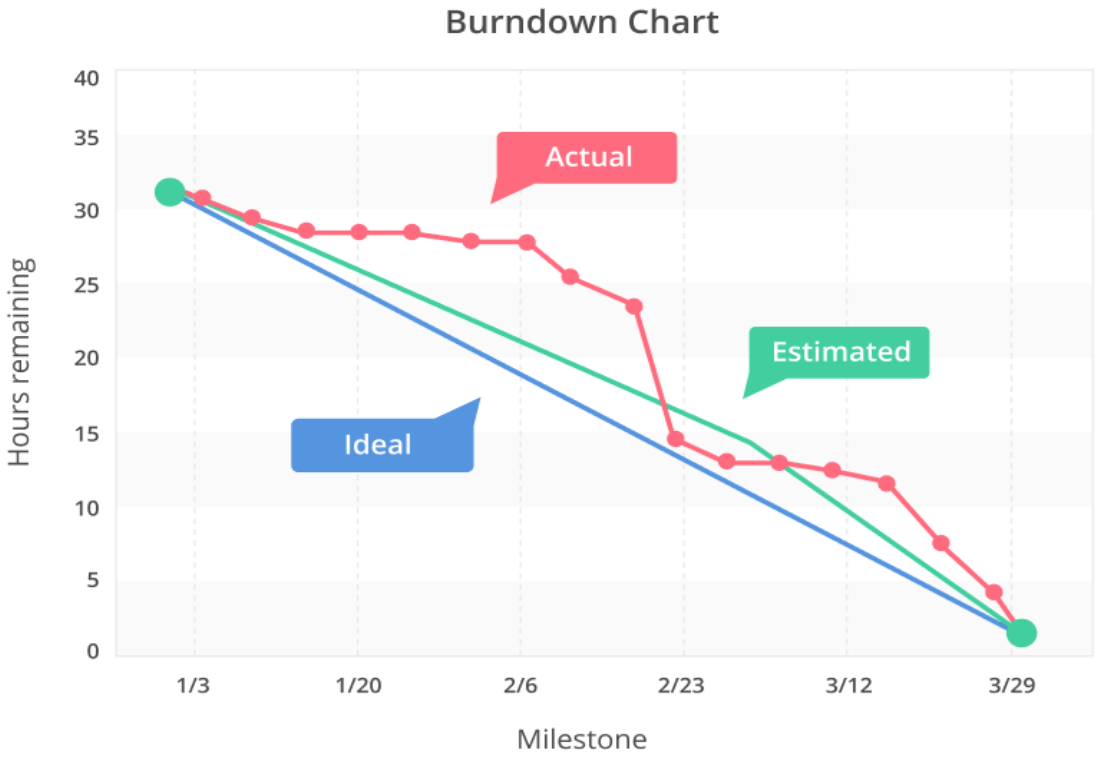
Velocity:

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:

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 time.


Burndown Chart
Hours remaining
40
35
30
25
20
15
10
5
0
Actual
Estimated
Ideal
1/3
1/20
2/6
2/23
3/12
3/29
Milestone