Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID38568
Project Name	Smart waste management 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	Web server login	USN-1	As a Administrator, I need to give user id and pass code forever workers over there in municipality	10	High	Nitheeshwar
Sprint-1	login	USN-2	As a Co-Admin, I'll control the waste level by monitoring themvia real time web portal. Once the filling happens, I'll notify trash truck with location of bin with bin ID	10	High	Karthik
Sprint-2	User	USN-3	As a Truck Driver, I'll follow Co- Admins Instruction to reach the filling bin in short roots and save time	20	Medium	Dharshan
Sprint-3	Worker	USN-4	As a local garbage collector I will gather all the waste from the garbage depand on the seperation of the garbage,loadit on to a garbage truck seperatly and deliver it to separate landfills	20	High	Thiyagarajan
Sprint-4	Worker	USN-5	As a Municipality officer, I'llmake sure everything is proceeding as planned and without any problems	20	High	Dharshan

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

Sprint	Total Story Points	Duration	Sprint StartDate	Sprint End Date (Planned)	Story Points Completed (as on Planned End Date)	Sprint ReleaseDate (Actual)
Sprint-1	20	6 Days	24 Oct 2022	29 Oct 2022	20	31 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)

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

Sprint1- Velocity = 20/6 =**3.33**

Sprint2- Velocity = 20/6 =**3.33**

Sprint3- Velocity = 20/6 =**3.33**

Sprint4- Velocity = 20/6 =**3.33**

Average Velocity = 3.33

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