Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID37162
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.	3	High	Sriram. B Sivaraj . V Ram Kumar.D Rohit.C
Sprint-1	Check Registration page	USN-2	Check the registration page with both correct and wrong credentials to check its correctness.	1	Low	Sriram. B Sivaraj . V Ram Kumar.D Rohit.C
Sprint-1	Assign log in details to workers of that area	USN-3	As a administrator of a area All workers are given proper credentials to log in to the application	2	Medium	Sriram. B Sivaraj . V Ram Kumar.D Rohit.C
Sprint-1	Send data from sensor(random input) to cloud	USN-4	Send data to cloud	3	High	Sriram. B Sivaraj . V Ram Kumar.D Rohit.C
Sprint-1	Receive user complaints and details	USN-5	Whenever the user makes a complaint it is viewed to admin and he takes necessary actions	2	Medium	Sriram. B Sivaraj . V Ram Kumar.D Rohit.C

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-2	Truck driver application log in	USN-6	Log in to the application created for truck driver	3	High	Sriram. B Sivaraj . V Ram Kumar.D Rohit.C
Sprint-2	View bin data through cloud to application	USN-7	View bin data that is being uploaded to cloud to truck driver application	3	High	Sriram. B Sivaraj . V Ram Kumar.D Rohit.C
Sprint-2	Test the truck driver application	USN-8	Test the application created for truck driver in all possibilities	1	Low	Sriram. B Sivaraj . V Ram Kumar.D Rohit.C
Sprint-3	Create user application	USN-9	Create a user application for making a complaint on waste overflow	2	Medium	Sriram. B Sivaraj . V Ram Kumar.D Rohit.C
Sprint-3	Test the user application	USN-10	Make sure the created application works as per the planning	1	Low	Sriram. B Sivaraj . V Ram Kumar.D Rohit.C
Sprint-4	Look after the overall flow of the applications	USN-11	Look down to all aspects of the applications and check whether it works as per the design and flow .	3	High	Sriram. B Sivaraj . V Ram Kumar.D Rohit.C

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	11	6 Days	24 Oct 2022	29 Oct 2022	8	29 Oct 2022
Sprint-2	7	6 Days	31 Oct 2022	05 Nov 2022	5	05 Nov 2022
Sprint-3	3	6 Days	07 Nov 2022	12 Nov 2022	In progress	
Sprint-4	3	6 Days	14 Nov 2022	19 Nov 2022	In progress	

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.

https://www.visual-paradigm.com/scrum/scrum-burndown-chart/

https://www.atlassian.com/agile/tutorials/burndown-charts