Project Planning Phase

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

Date	30 th October 2022		
Team ID	PNT2022TMID27367		
Project Name	Smart Waste Management System for		
	Metropolitan Cities		
Maximum Marks	8 Marks		

Product Backlog, Sprint Planning, Stories, Story Points (4 Marks)

Use the below template to create product backlog and sprint schedule

Sprint	Functional	User	User Story/Task	Story Points	Priority	Team Members
	Requirement	Story				
	(Epic)	Number				
			Cloud web server is			Pawan k
			created which			Narendran M
Sprint-1	Cloud	USN-1	connects the bin			Mariya Johnson
•			and the authority	10	High	Rakesh S
			who is responsible			
			for the disposal of			
			waste from its bin			
			Design the circuit			Pawan k
			which is to be			Narendran M
Sprint-1	Software	USN-2	integrated within	10	High	Mariya Johnson
•			the garbage bin			Rakesh S
			using sensors.			
			Upload the details			Pawan k
			of truck driver and			Narendran M
Sprint-2	Cloud Server	USN-3	location of bin using	5	Medium	Mariya Johnson
•			GPS			Rakesh S
						Pawan k
			Connect cloud			Narendran M
Sprint-2	Technology	USN-4	server and bins	5	High	Mariya Johnson
5 p 2	1.000.087			9		Rakesh S
			Detect the level of			Pawan k
			garbage using			Narendran M
Cariat 2	Sensor	USN-5	sensor and stores it	10	⊔iah	
Sprint-2	3611301	0314-3	in the server for	10	High	Mariya Johnson
			specific interval of			Rakesh S
			time.			
			Write the python			
			code for intimating			Pawan k
Sprint -3	Python, GPS	USN-6	to the authority	10	High	Narendran M
Spriiit -3	i yuloli, GF3	0311-0	about alerting	10	'''g''	Mariya Johnson
			message regarding			iviai iya JuliliSUII

			collection of garbage and where to collect			Rakesh S
Sprint-3	Cloud	USN-7	Authority should allocate which truck driver should collect the waste at particular area	10	Medium	Pawan k Narendran M Mariya Johnson Rakesh S
Sprint-4	Communicating Medium	USN-8	Truck driver receives the message from the authority and goes to collect the garbage	10	Medium	Pawan k Narendran M Mariya Johnson Rakesh S
Sprint-4	Communicating Medium	USN-9	After collecting the garbage, truck driver intimates that the garbage has collected	10	Low	Pawan k Narendran M Mariya Johnson Rakesh S

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	31 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	5 Nov 2022	20	
Sprint-3	20	6 Days	7 Nov 2022	12 Nov 2022	20	
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	20	

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

Reference:

https://www.atlassian.com/agile/project-management

https://www.atlassian.com/agile/tutorials/how-to-do-scrum-with-jira-software

https://www.atlassian.com/agile/tutorials/epics

https://www.atlassian.com/agile/tutorials/sprints

https://www.atlassian.com/agile/project-management/estimation

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