

## Project Planning Phase

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

Date	23 October 2022
Team ID	PNT2022TMID10856
Project Name	Smart Waste ManagementSystem For Metropolitan Cities
Maximum Marks	8 Marks

#### Product Backlog, Sprint Schedule, and Estimation (4 Marks)

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Objective	SWMSFMC-1	The smart bin system will alert the nearby garbage collectors when the bin overflows.	6	High	Vignesh S Tharun A Tamil Muhilan T Shri Krishna Kumar P
Sprint-1	Registration	SWMSFMC-2	The user(garbage collectors) can register for the application using the respective credentials provided to them.	4	Medium	Vignesh S Tharun A Tamil Muhilan T Shri Krishna Kumar P
Sprint-1	Designing	SWMSFMC-3	Designing a circuit with sensors and arduino interface	6	High	Vignesh S Tharun A Tamil Muhilan T Shri Krishna Kumar P
Sprint-1	Cloud	SWMSFMC-4	As an administrator, register in IBM cloud	4	Medium	Vignesh S Tharun A Tamil Muhilan T Shri Krishna Kumar P
Sprint-2	Code development	SWMSFMC-5	Develop a code to send a message when the bin overflows using ultrasonic sensor	10	High	Vignesh S Tharun A Tamil Muhilan T Shri Krishna Kumar P

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-2	Cloud Server	SWMSFMC-6	Cloud web server is created which connects the bin and the authority who is responsible for the disposal of waste from its bin	10	High	Vignesh S Tharun A Tamil Muhilan T Shri Krishna Kumar P
Sprint-3	Sensor	SWMSFMC-7	Detect the level of garbage using sensor and store it in the server for specific interval of time.	10	High	Vignesh S Tharun A Tamil Muhilan T Shri Krishna Kumar P
Sprint-3	Cloud	SWMSFMC-8	Authority should allocate which garbage collector should collect the waste at particular area	10	High	Vignesh S Tharun A Tamil Muhilan T Shri Krishna Kumar P
Sprint-4	Communicating Medium	SWMSFMC-9	Garbage collector receives the message from the authority and goes to collect the garbage	10	High	Vignesh S Tharun A Tamil Muhilan T Shri Krishna Kumar P
Sprint-4	Communicating Medium	SWMSFMC-10	Once the garbage is collected the particular person should intimate the completion of the task	5	Medium	Vignesh S Tharun A Tamil Muhilan T Shri Krishna Kumar P
Sprint -4	Cloud database	SWMSFMC-11	Update the database after task completion	5	Medium	Vignesh S Tharun A Tamil Muhilan T Shri Krishna Kumar P

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

<b>Sprint</b>	<b>Total Story Points</b>	<b>Duration</b>	<b>Sprint Start Date</b>	<b>Sprint End Date (Planned)</b>	<b>Story Points Completed (as on Planned End Date)</b>	<b>Sprint Release Date (Actual)</b>
Sprint-1	20	6 Days	24 Oct 2022	29 Oct 2022	20	30 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