SMART WASTE MANAGEMENT SYSTEM

Team ID: PNT2022TMID16239

TEST REPORT :

1	Date				18-Nov-22						
2	Team ID				PNT2022TMID16239						
3	Project Name				Smart Waste Management System for Metropolitan Cities - IOT						
4	Maximum Marks				4 marks						
5	**Test case ID**	**Bin Level**	**Components**	**Test Case Scenario**	**Pre-Requisite**	**Availability**	**Test Condition**	**Expected Result**	**Actual Result**	**Status**	**Comments**	**Accessed By**
6	Test case 1	Empty	Ultrasonic Sensor	Empty bin	Ultrasoncic sensor, PIR Motion Sensor, Garbage Bins	Bin is accessible to users	Bin Level == 0	Shows the level of the bin and the amount of space left	Working as expected	Pass		User
7	Test case 1	Accessible	Ultrasonic Sensor	When bin level is below 50 %	Ultrasoncic sensor , PIR Motion Sensor , Garbage Bins	Bin is accessible to users	Bin Level < 50	Shows the level of the bin and the amount of space left	Working as expected	Pass		User
8	Test case 3	Accessible	Ultrasonic Sensor	When bin level is above 50	Ultrasoncic sensor , PIR Motion sensor , Garbage Bins	Bin is accessible to users and the admin gets warning about the bin level	Bin Level > 50	Shows the level of the bin and the amount of space left	Working as expected	Pass		User
9	Test case 4	Accessible	Ultrasonic Sensor	When bin level is below 75 %	Ultrasoncic sensor , PIR Motion sensor , Garbage Bins	Bin is accessible to users and the admin gets warning about the bin level	Bin Level < 75	Shows the level of the bin and the amount of space left	Working as expected	Pass		User
10	Test case 5	Limit exceeded	Ultrasonic Sensor	When bin level is above 75 %	Ultrasoncic sensor , PIR Motion sensor , Garbage Bins	Bin is not accessible to the users, the admin recieves High alert and seals the the bin to avoid overflow.	Bin Level > 75	Shows that the Bin is FULL and Seals the bin.	Working as expected	Pass	The system starts to sense the level once the Bin is emptied partially or fully	User/Admin
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