

Team ID	PNT2022TMID42807
Project Name	Smart Waste Management System for Metropolitan Cities - IOT
Maximum Marks	Maximum Marks
Date	19 Nov2022

Test case ID	Feature Type- Bin Level	Component	Test Case Scenario	Pre-Requisite	Availability	Test Condition	Expected Result	Actual Result	Access By
Test case 1	Empty	Ultrasonic Sensor	When Bin is empty	Ultrasonic sensor PIR Motion	Sensor Garbage Bins	Bin Level == 0	Displays Bin level and space left	Working as expected	User
Test case 2	Accessible	Ultrasonic Sensor	When bin level is below 50 %	Ultrasonic sensor , PIR Motion Sensor , , Garbage Bins	,bin is accessible to user	Bin Level < 50	Displays Bin level and space left	Working as expected	User
Test case 3	Accessible	Ultrasonic Sensor	When bin level is above 50	Ultrasonic sensor , PIR Motion Sensor , , Garbage Bins	Bin is accessible to users and the admin gets warning about the bin level	Bin level > 50	Displays bin level space left	Working as expected	User
Test case 4	Accessible	Ultrasonic sensor	When bin level is below 75 %	Ultrasonic sensor , PIR Motion Sensor , , Garbage Bins	Bin is accessible to users and the admin gets warning about the bin level	Bin level < 75	Displays bin level space left	Working as expected	User
Test case 5	Accessible	Limit exceed Ultrasonic sensor	When bin level is above	Ultrasonic sensor , PIR Motion	Bin is not accessible To the	Bin level > 75	Display bin level And	Working as expected	User

			75%	Sensor , , Garbage Bins	users,the admin receives high alert and seals the bin to avoid overflow		space left		
Test case 6	Accessible	sensor	90%	Ultrasonic sensor , PIR Motion Sensor , , Garbage Bins	If bin is 90%above high alert is given to the user	>90	Space right	Working as expected	User