

Team ID	PNT2022TMID39310
Project Name	Smart Waste Management System for Metropolitan Cities - IOT
Maximum Marks	Maximum Marks
Date	18 Nov 2022

Test case ID	Feature Type- Bin Level	Component	Test Case Scenario	Pre Requisite	Availability	Test Condition	Expected Result	Actual Result	Actual Result
Test case 1	Empty	Ultrasonic Sensor	When Bin is empty	Ultrasonic sensor, PIR Motion Sensor, Garbage Bins	Garbage Bin	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 and 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 and space left	Working as expected	User
Test case 5	Accessible Limit exceed	Ultrasonic Sensor	When bin level is above 75%	Ultrasonic sensor , PIR Motion Sensor , Garbage Bins	Bin is not accessible To the users,the admin receives high alert and seals the bin to avoid overflow	Bin level>75	Displays Bin level and space left	Working as expected	User