

**Project Design Phase-II**  
**Solution Requirements (Functional & Non-functional)**

Date	16 October 2022
Team ID	PNT2022TMID50056
Project Name	IoT Based Smart Management system for Metropolitan Cities
Maximum Marks	4 Marks

**Functional Requirements:**

Following are the functional requirements of the proposed solution.

FR No.	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-1	User Registration	Registration through Form Registration through Gmail
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	Web Application	Node-Red service
FR-4	Configure to Device	IBM Watson IoT Platform
FR-5	Database	MYSQL ,NOSQL
FR-6	Python Script	IBM IoT Platform

**Non-functional Requirements:**

Following are the non-functional requirements of the proposed solution.

FR No.	Non-Functional Requirement	Description
NFR-1	<b>Usability</b>	Help to locate and monitor the waste continuously
NFR-2	<b>Security</b>	Information is secured
NFR-3	<b>Reliability</b>	More Consistency and Dependability
NFR-4	<b>Performance</b>	Easy to monitor & dispose the waste
NFR-5	<b>Availability</b>	Available anytime and anywhere
NFR-6	<b>Scalability</b>	To exceed future demand