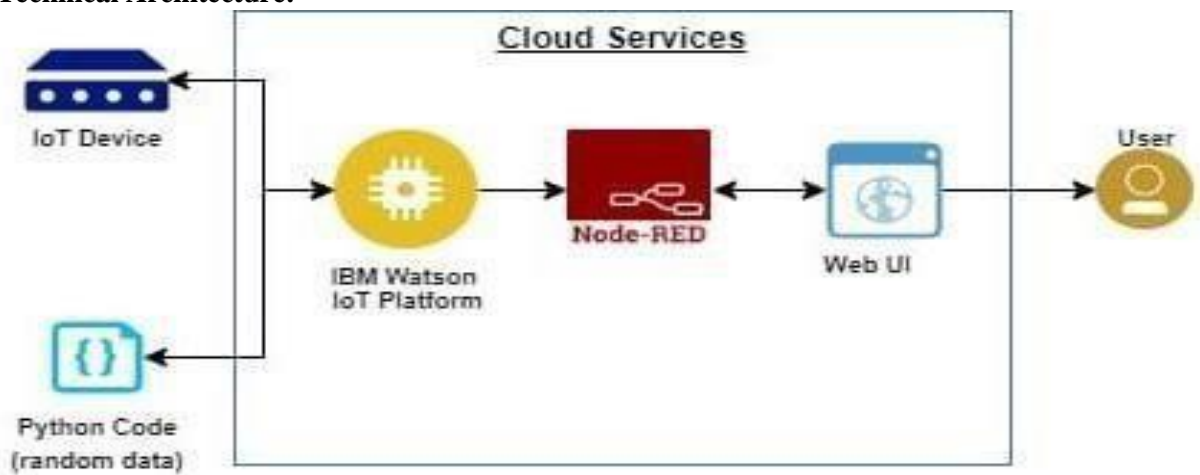**Project Design Phase-II Technology Architecture**

Team ID	PNT2022TMID28956
Project Name	Smart waste Management System for Metropolitan Cities
Team Members	Naveen R.S Jyothi Saai Raam P.N Sriram V Samuel Joshva.S

Technical Architecture:

The Deliverable shall include the architectural diagram as below and the information as the table 1&table 2

Table-1:Components&Technologies:

S.N0	Components	Description	Technology
1.	User interface	User interact with application using form,login,request notification	Python/HTML/MYSQL/JAVA
2.	Registration	User register in the application to connect bank account	Python/HTML/MYSQL/JAVA
3.	Verification	Verification in the application to connect bank account	Python/HDML/MYSQL/JAVA
4.	Sensor(IOT device)	A device that responds to a physical stimulus (such as heat,light,sound, pressure,magnetism,or a particular motion)and transmit a resulting impulse.	Raspberry pi/Arduino UNO/Temperature sensor/ultrasonic sensor
5.	Sends notification	Sends the notification to the cloud database	IBM Cloud
6.	Cloud Database (Node Red)	Database service on cloud	Node Red
7.	Application	A computer software package that performs a specific function directly for an end user	IBM Wastson STT service

Table-2:Application Characteristics:

S.No	Characteristics	Description	Technology
1.	Open-Source Framework	Open source is a term denoting that a product includes permission to use its source code,design documents or content.	Bootsrap
2.	Scalable Architecture	It connected with scalable architecture	IBM Watson
3.	Availability	This application access is availble at the work time of the workers according to their corporation or municipality.	Python
4.	Performance	Record resource requests and save registered information. Availability of application.	IBM Watson