Date	13 October 2022
Team ID	PNT2022TMID50046.
Project Name	Hazardous Area monitoring
Maximum Marks	4 Marks

Technical Architecture:

The Deliverable shall include the architectural diagram as below and the information as per the table1 & table

Table-1 : Components & Technologies:

S.No	Component	Description	Technology
1.	User Interface	User interface through the mobile application.	HTML, CSS, JavaScript / Angular Js / React Js etc.
2.	Registration	User register in the application to connect with the sensor.	Java / Python
3.	Registration	Verification of user sensor detail.	Ipython flask, HTml, css.
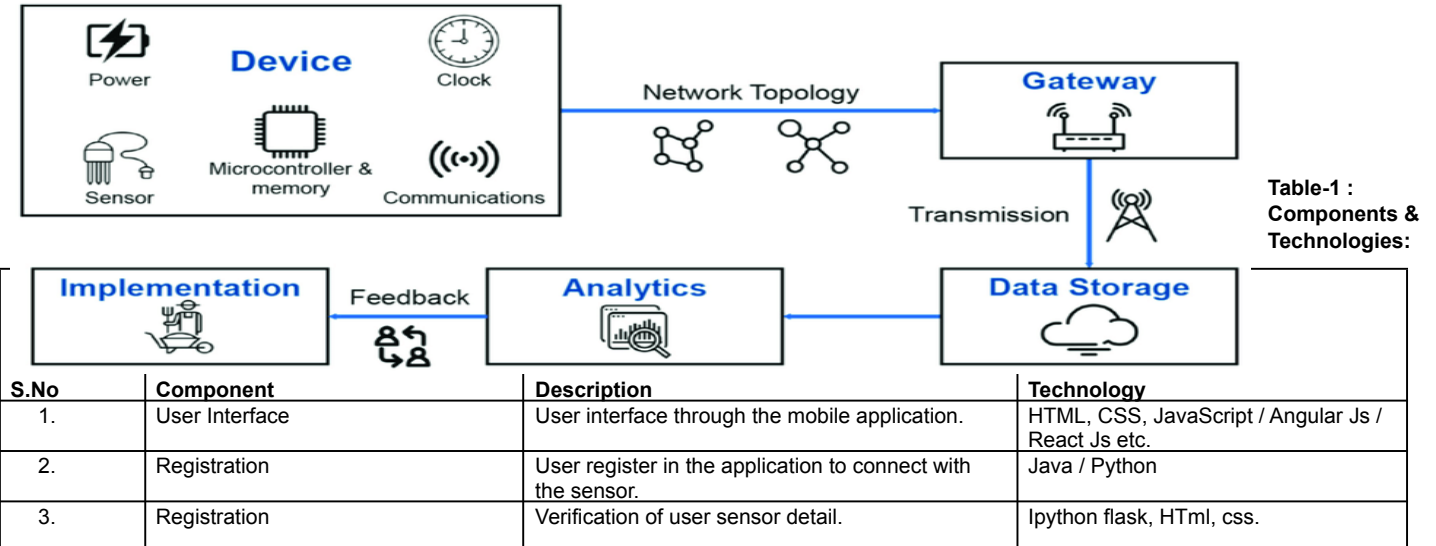
4.	Notification of registration	Send notification to the user	Python flask, Html css.
5.	Monitoring devices	User start monitoring by the application.	Python flask
6.	Cloud Database	Database Service on Cloud	IBM DB2, IBM Cloudant etc.
7.	File Storage	Sensor collect all the receiving and transmitting information are stored	IbM DB2.
8.	External API-1	Shows tha data.	IBM Weather API, etc.

Table-2: Application Characteristics:

S.No	Characteristics	Description	Technology
1.	Open-Source Frameworks	Iot is a efficient open source application.	CoAP.
2.	Security Implementations	secure password practices	Encryption.
3.	Scalable Architecture	it connected with scalable architecture.	python flask.
4.	Availability	This is available at anytime anywhere.	IBM DB2.
5.	Performance	Monitor the area and send the information.	IBM DB2.