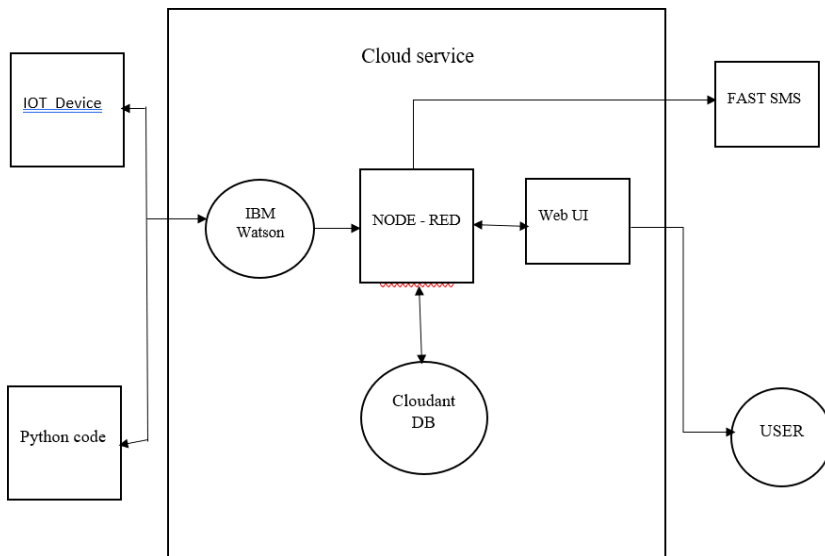


**project
phase 2**

Date	19 October 2022
Team ID	PNT2022TMID54081
Project Name	Gas Leakage Monitoring And Alerting System For Industries
Maximum Marks	4 Marks

Technical Architecture:

The Deliverable shall include the architectural diagram as below and the information as per the table1 & table 2



Guidelines:

- Include all the processes (As an application logic / Technology Block)
- Provide infrastructural demarcation (Local / Cloud)
- Indicate external interfaces (third party API's etc.)
- Indicate Data Storage components / services
- Indicate interface to machine learning models (if applicable)

Table-1 : Components & Technologies:

S. N o	C o m p o	D e s c r	T e c h n
--------------	-----------------------	-----------------------	-----------------------

	n e t	i p t i o n	o l o g y
	User Interface	How user interacts with application e.g. Web UI, Mobile App, Chatbot etc.	Node-Red
2	Application Logic-1	Logic for a process in the application	Python
3	Application Logic-2	Logic for a process in the application	IBM Watson Assistant
4	Cloud Database	Database Service on Cloud	IBM DB2, IBM Cloudant

Table-2: Application Characteristics:

S. N o	Charac teristic s	D e s c r i p t i o n	T e c h n o l o g y
1.	Open-Source Frameworks	List the open-source frameworks used	Technology of Opensource framework
2.	Security Implementations	List all the security / access controls implemented, use of firewalls etc.	e.g. SHA-256, Encryptions, IAM Controls, OWASP etc.
3.	Scalable Architecture	Justify the scalability of architecture (3 – tier, Micro-services)	Technology used
4.	Availability	Justify the availability of application (e.g. use of loadbalancers, distributed servers etc.)	Technology used