Project Design Phase-II

Technology Architecture

Team ID	PNT2022TMID06438
Project Name	GAS LEAKAGE MONITORING AND ALERTING SYSTEM
Team Members	1 PURNACHANDRIGAA R 2 SELVANAYAKI M 3 VISHNUPRIYA S 4 KIRIRAJ S

Technology Architecture:

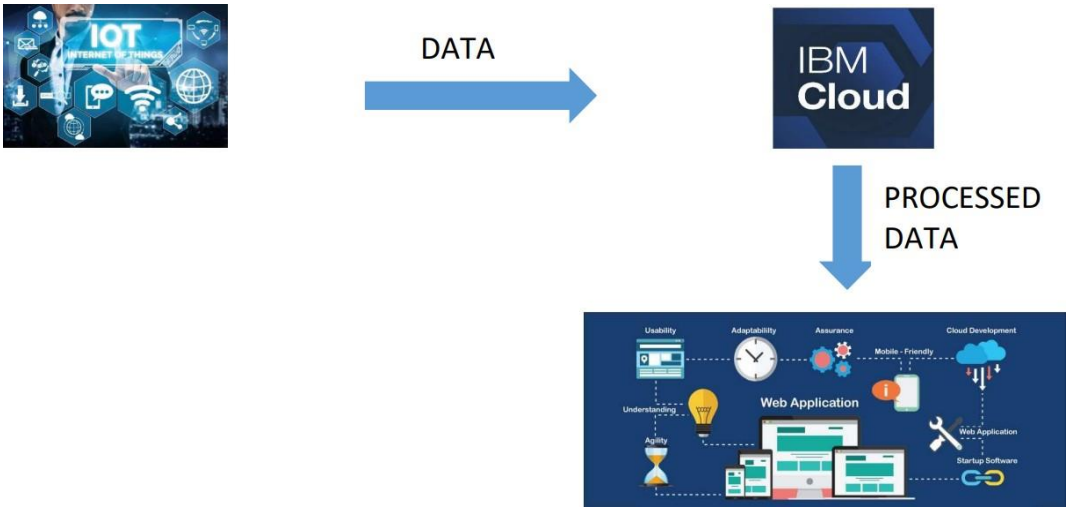

Table-1 : Components & Technologies:

S.NO	Components	Description	Technology
1	User Interface	How user interacts with application e.g. Web UI, Mobile App, Chatbot etc.	HTML, CSS, JavaScript / Angular Js / React Js etc.
2	Application Logic-1	Logic for a process in the application	Java / Python
3	Application Logic-2	Logic for a process in the application	IBM Watson STT service
4	Application Logic-3	Logic for a process in the application	IBM Watson Assistant
5	Cloud Database	Database Service on Cloud	IBM DB2, IBM Cloudant etc.
6	Infrastructure (Server / Cloud)	Application Deployment on Cloud	Local, Cloud Foundry, Kubernetes, etc.

Table-2: Application Characteristics:

S.NO	Charateristics	Description	Technology
1	Scalable Architecture	We can implement in Industries, Hotels, Public places	IOT (Internet of Things)
2	Availability	To Detect leakage 24/7 for interrupted services we have implemented in distributed servers (cloud)	IBM cloud
3	Performance	If we implemented in industries, it needs many gas sensors to detect	