

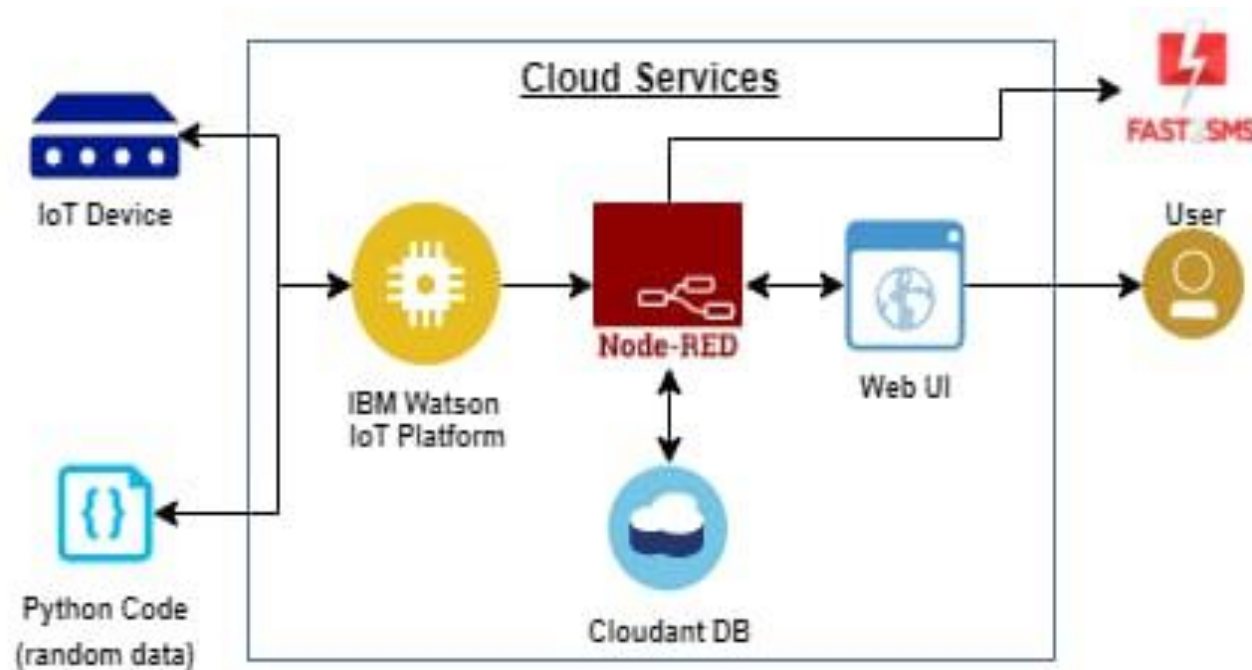
Project Design Phase-II

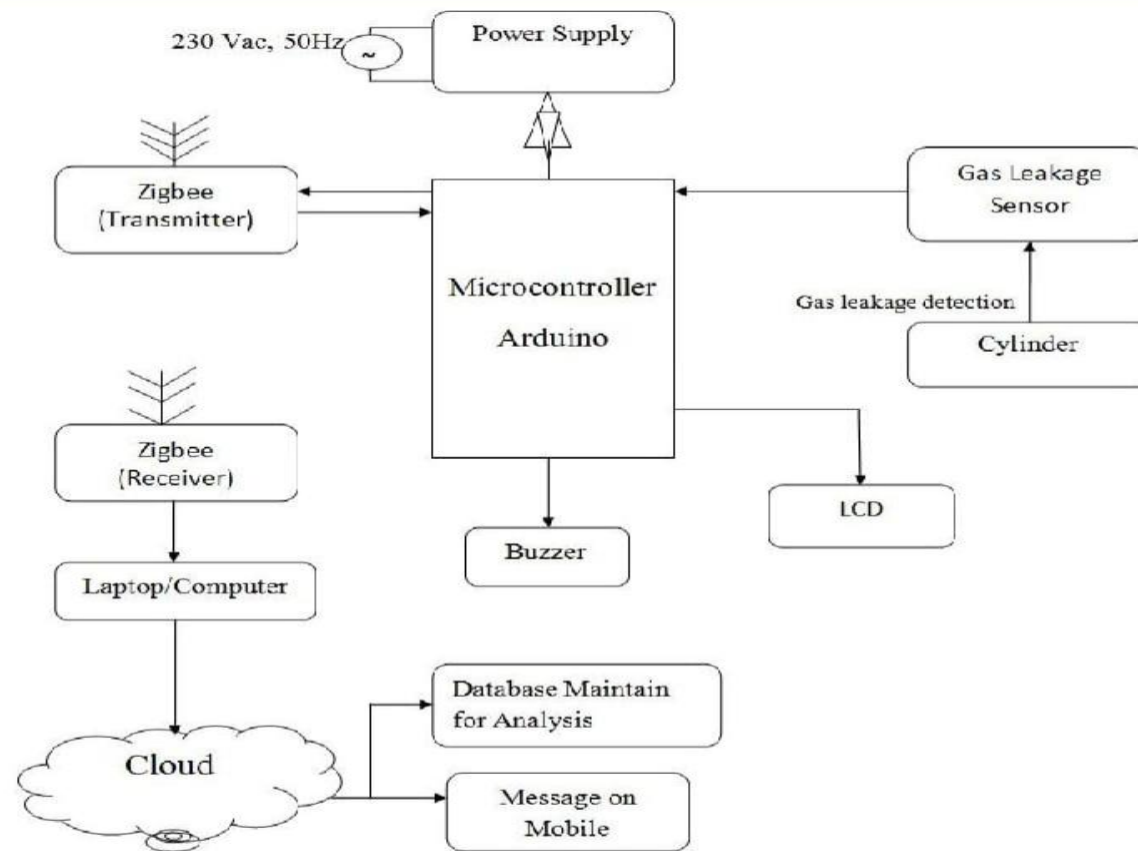
Data Flow Diagram & User Stories

Date	18 October 2022
Team ID	PNT2022TMID11539
Project Name	Gas leakage monitoring and alerting system
Maximum Marks	4 Marks

Data Flow Diagrams:

A Data Flow Diagram (DFD) is a traditional visual representation of the information flows within a system. A neat and clear DFD can depict the right amount of the system requirement graphically. It shows how data enters and leaves the system, what changes the information, and where data is stored.





Example: DFD Level 0

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
Customer	IoT devices	USN-1	Sensors	Users can use iot devices like arduino and sensors.	High	Sprint-1
Customer	Software	USN-2	IBM Watson IoT platform, Workflows for IoT scenarios using Node-red	A fully managed, cloud-hosted service with capabilities for device registration, connectivity, control, rapid visualization and data storage.	High	Sprint-2
Customer	MIT app	USN-3	To develop an application using MIT	MIT App Inventor is an intuitive, block-based programming environment that allows beginner programmers to build functional apps for smart phones and tablets.	High	Sprint-3
Customer	Web UI	USN-4	To make the user to interact with the software.	User can access the app for the services.	High	Sprint-4