Project Design Phase-I
Solution Architecture

Date	19 September 2022
Team ID	PNT2022TMID26592
Project Name	Hazardous area monitoring for industrial plants powered by IOT
Maximum Marks	4 Marks

Solution Architecture:

- Hazardous Area Monitoring for Industrial Plant project is based on multiple monitoring codes and making use of an embedded controlling device(Raspberry Pi), which gathers and processes the data generated by different sensors like temperature sensors and gas detectors.

- In this project, we create an IOT-based hazards monitoring system specifically suited to the requirements of mining, refining, and manufacturing industries.

- A cloud platform is used to visualize and analyze the data thus generated and also thereby enabling us to perform real time tracking and possibly implement a warming system, any notification through the cloud or an audible alarm.
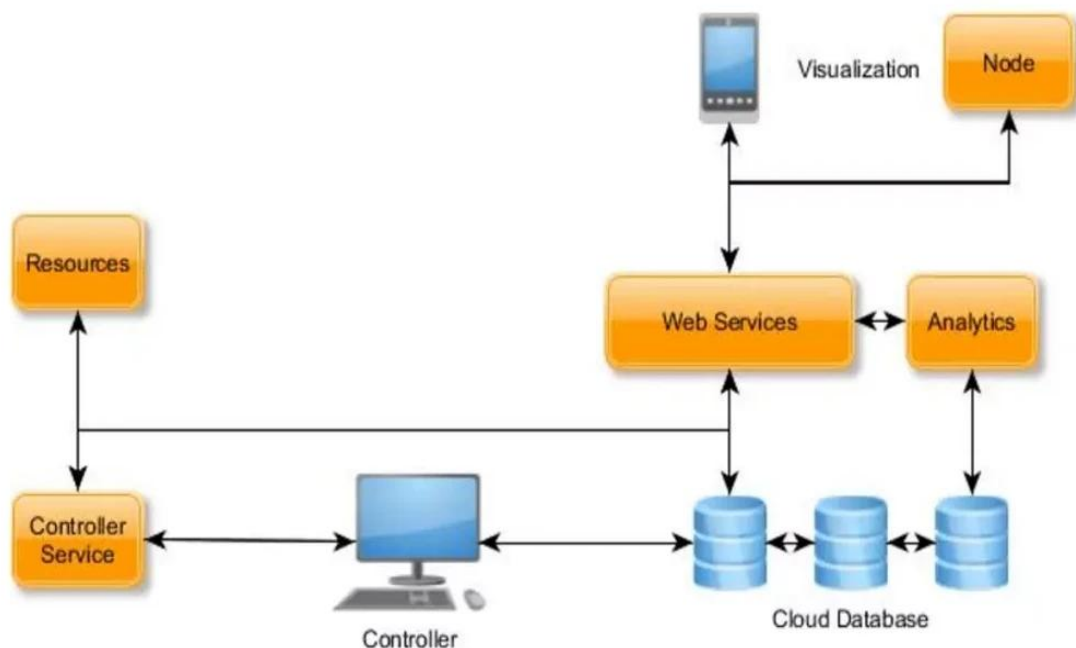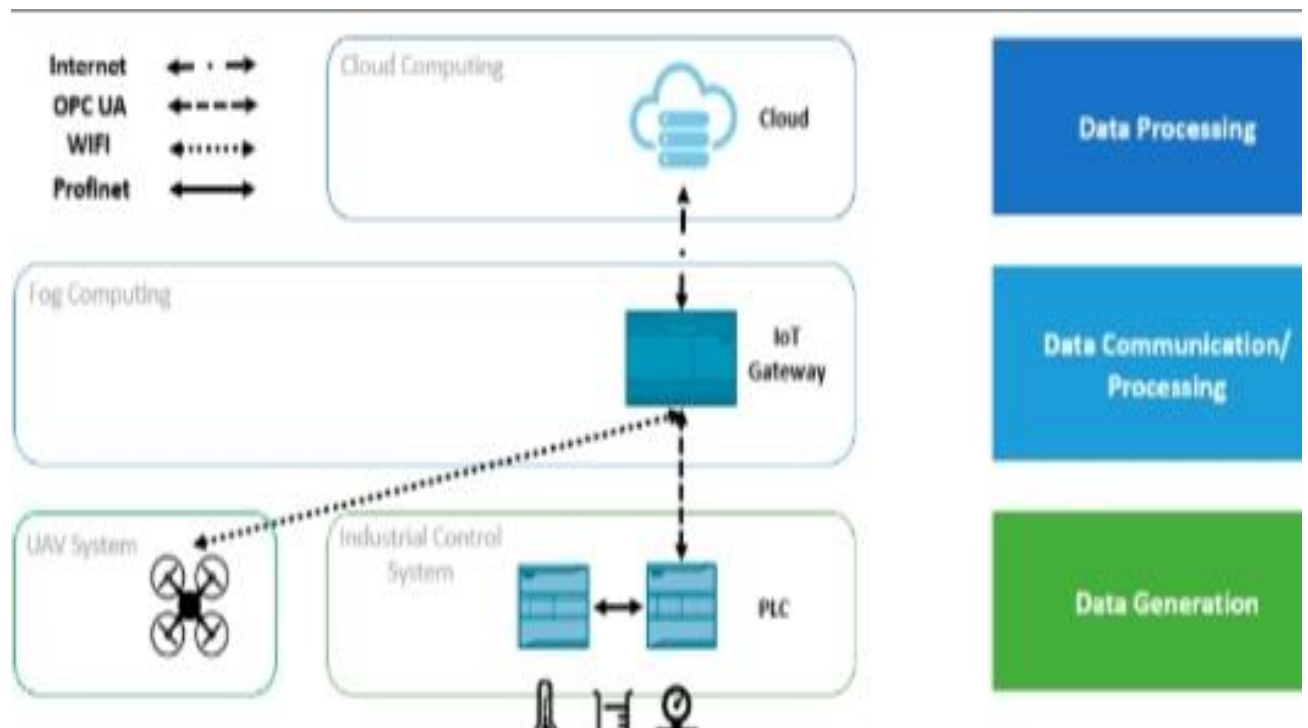
Figure-1

Figure-2

Reference:
https://www.slideshare.net/AyushChhangani/industrial-hazard-monitoring-using-iot