**Project Design Phase-I**

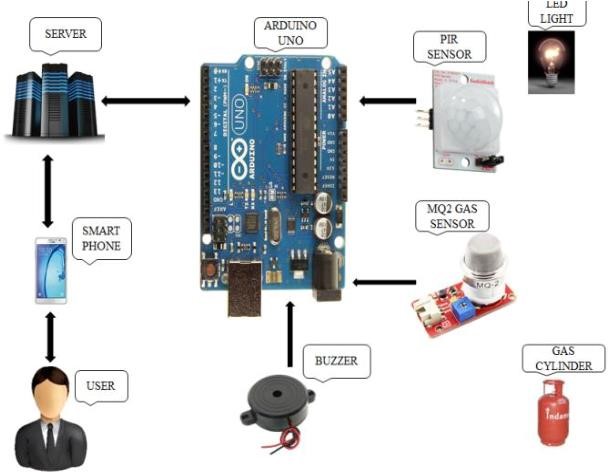
**Solution Architecture**

|  |  |
| --- | --- |
| Date | 5 NOVEMBER 2022 |
| Team ID | PNT2022TMID13490 |
| Project Name | Gas Leakage monitoring & Alerting system |
| Maximum Marks | 4 Marks |

**Solution Architecture:**

* This project helps the industries in monitoring the emission of harmful gases
* In several areas, the gas sensors will be integrated to monitor the gas leakage
* If in any area gas leakage is detected the admins will be notified along with the location
* In the web application, admins can view the sensor parameters.
* The traditional Gas Leakage Detector Systems though have great precision, fail toacknowledge a few factors in the field of alerting the people about the leakage.
* Therefore we have used the IoT technology to make a Gas Leakage Detector having Smart Alerting techniques involving calling, sending text message and an e-mail to the concerned authority and an ability to predict hazardous situation so that people could be made aware in advance by performing data analytics on sensor readings.
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**Solution Architecture Diagram:**



*Figure 1: System Architecture*

*Technical Architecture:*

