**Project Design Phase-I**

**Solution Architecture**

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| Date | 07 October 2022 |
| Team ID | PNT2022TMID25975 |
| Project Name | Project - Gas Leakage monitoring & Alerting system for Industries. |
| Maximum Marks | 4 Marks |

**Solution Architecture:**

Solution architecture is a complex process – with many sub-processes – that bridges the gap between business problems and technology solutions. Its goals are to:

* Find the best tech solution to solve existing business problems.
* Describe the structure, characteristics, behavior, and other aspects of the software to project stakeholders.
* Define features, development phases, and solution requirements.
* Provide specifications according to which the solution is defined, managed, and delivered.

**Solution Architecture Diagram:**

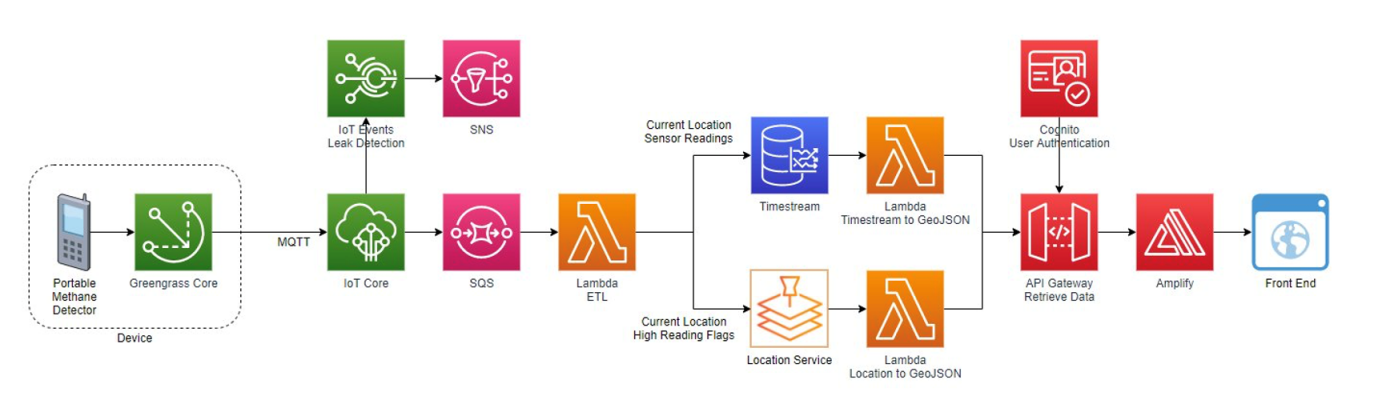
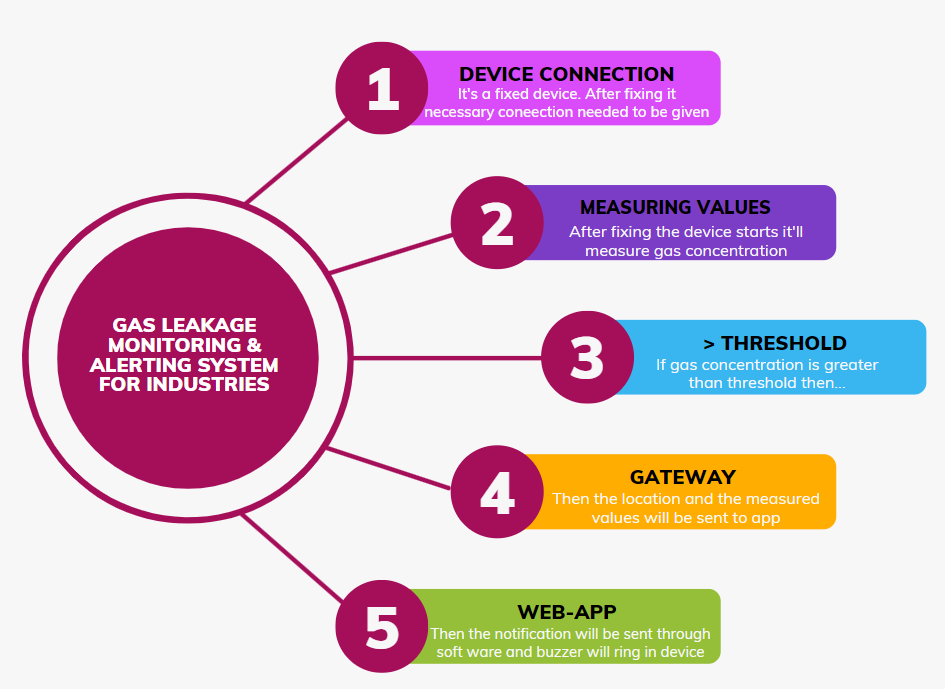
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Figure 1: Architecture and data flow of the Gas Leakage monitoring & Alerting system for Industries

**Solution Flowchart Diagram:**



**Reference:**

**https://www.researchgate.net/publication/347326171\_Sensor-Based\_Gas\_Leakage\_Detector\_System**