EMPATHY MAP

Gas Leakage monitoring & Alerting system for Industries

Gains:

- Better control over the internal processes and as a result, the safety and security of the workers in the industry is increased.
- Cost management is also concentrated in this proposed system. The sensors used in the gas detection are connected to cloud services and can be maintained installed easily.
- Increased business efficiency through process automation. By using smart devices, you can automate multiple processes across your production cycle, E.g., Gas leakage monitoring and fire suppression.
- Enhanced production quality. The system can be accessed from a remote area which enhances the safety and reduces the risk of loss of life in industry.

Pains:

- IoT – gas leakage monitoring continually requires internet connectivity. The developing countries 'rural portion did not follow those criteria and the internet is slower.
- One of the main downsides in the implementation of the system is the time it takes to integrate all the various components for functioning of the proposed system together.
- Given any security measures, the system offers little power and can lead to various kinds of network attacks.

Problem Statements:

This is the project for detecting gas leakage and alerting the industries on the same. In recent times, safety of the factory workers has become a huge question mark. We can see many serious accidents happening in the industries due to negligence of the safety department in that industry. Also, not all the places in the industry can be overlooked by humans. Our proposed system can be installed in such places. We can detect the exact place of gas leakage from a remote place using the cloud services and we take appropriate actions.