Project Design Phase – II

FUNCTIONAL REQUIRMENTS

Date	20th October 2022
Team ID	IBM-Project-21805-1659791852
Project Name	Gas Leakage Monitoring & Alerting System for Industries

- The system must provide an instantaneous sensor response as soon as the gas leaks.

- There must be an alarming system, to caution the people working in the plant.

- An emergency alert message must be passed on to the user through SMS or app.

- A night-mode camera must be used to capture footage of employees trapped in the environment.

- The message must notify the amount at gas leaked.

- There must be a ventilation mechanism to let out the leaked gas.

- A battery operated recovery system should be installed in case of power loss.

- The system should make rapid intimating process.

- The system should update the local database in real time.

- There must be an automatic hose to spray water to put out fire, if encountered.