

IOT- ONE PAGE SUMMARY

IOT-ENABLED PIPELINE LEAK DETECTION AND REALTIME WARNING SYSTEM IN LPG INDUSTRY

The Internet of things (IoT) is the system of gadgets, vehicles, and home machines that contain hardware, programming, actuators, and network which enables these things interface, collaborate and trade information. The meaning of the Internet of things has advanced because of union of numerous innovations, ongoing examination, AI, wear sensors, and implanted frameworks. Conventional fields of installed frameworks, remote sensor systems, control frameworks computerization (counting home and building mechanization), and others all add to empowering the Internet of things.

A gas spill alludes to a hole of petroleum gas or different vaporous item from a pipeline or other regulation into any territory where the gas ought not be available. Since a little hole may steadily develop a hazardous convergence of gas, spills are perilous. Notwithstanding causing flame and blast dangers, holes can slaughter vegetation, including huge trees, and may discharge amazing ozone harming substances to the environment.

We are a team of eight people who worked on this real time project to detect the exact gas leakage location on long gas pipe. This project has the following four major parts: they are:

- Hardware interfacing and testing
- Arduino coding
- Web page development
- Ppt presentations

Contributions %

Mahesh N	12.5
Sai Keerthana M	12.5
Surya Teja	12.5
Vamshi Krishna	12.5
Soumya	12.5
Kishore P	12.5
Shanmukh	12.5
Wajahath Ali	12.5

- I **Mahesh** being the leader of team-8 project worked on coordinating the team members, scheduling the team meetings & worked on solving the doubts. My major contribution towards the project is Arduino coding
- **Sai keerthana** as a second team member worked on mini &major code debugging and testing.
- **Surya Teja** as a third team member contributed his work in developing a webpage
- **Vamshi Krishna** as a fourth team member equally shown his interest in interfacing the hardware devices for both mini and major projects.
- **Soumya** as a fifth team member shown her interest in making IOT product PPT and video presentations.
- **Wajahath ali** as a sixth team member worked on major and mini project circuit design.
- **Kishore** as a seventh team member contributed his works in making final ppt and video presentations
- **Shanumukh** the last team member done his contribution creating poster and github links.