IDEATION PHASE

Ideation

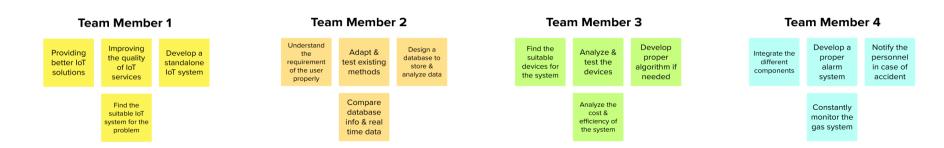| BATCH	B12-6A2E
TEAM ID	PNT2022TMID01722
TEAM MEMBERS	GOWTHAMRAJ - 7376191EC148 (Team Lead) KARTHICK RAJ BHARATHI - 7376191EC181 KARUNRAJ - 7376191EC184 KAVI RAAJ - 7376191EC185
PROJECT	Gas Leakage Monitoring & Alerting System for Industries

Brainstorming Session

Team Member 1

- Providing better IoT solutions
- Improving the quality of IoT services
- Develop a standalone IoT system
- Find the suitable IoT system for the problem

Team Member 2

- Understand the requirement of the user properly
- Adapt & test existing methods
- Design a database to store & analyze data
- Compare database info & real time data

Team Member 3

- Find the suitable devices for the system
- Analyze & test the devices
- Develop proper algorithm if needed
- Analyze the cost & efficiency of the system

Team Member 4

- Integrate the different components
- Develop a proper alarm system
- Notify the personnel in case of accident
- Constantly monitor the gas system

Ideas

- Develop a proper standalone IoT system to support the network
- Properly understand the user's need and include all the necessary requirements
- Include a proper alarm & notification system to avoid losses during accidents
- Develop a suitable algorithm for proper detection & alerting of gas leakage
- Analyze cost & feasibility of the system and increase the working efficiency
- Integrate all the components & develop a proper Gas Leakage Detection System with continuous monitoring of the gas systems