

Ideation Phase

Brainstorm & Idea Prioritization Template

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|---------------|------------------------------------------------------|
| Date | 19 September 2022 |
| Team ID | PNT2022TMID21245 |
| Project Name | Industry-specific intelligent fire management system |
| Maximum marks | 4 marks |

Step-1: Team Gathering, Collaboration and Select the Problem Statement

As per the rules of the template we have done the following as first step:

- Team Gathering
- Collaboration
- Identified the problem statement

1. Define your problem statement:

Design of intelligent fire management system that generates alerts regarding the fire accidents:

- Due to sudden occurrences of fire accidents at the industries, without any fire managements system we may face loss of life and property.
- The problem will affect the industry workers.
- When sudden fire accidents break out in industries the problem occurs.



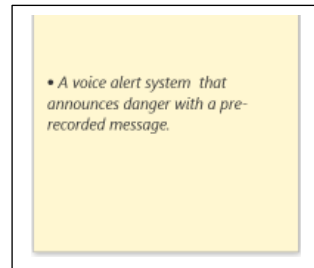
Step-2: Brainstorm, Idea Listing and Grouping

As per the rules of the template we have done the following as second step:

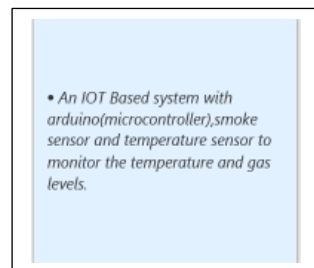
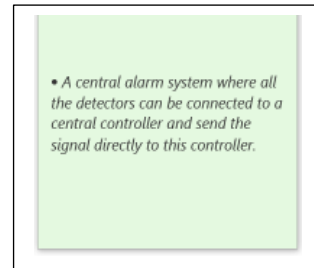
- Brainstorming
- Grouping ideas

2.Brainstorming

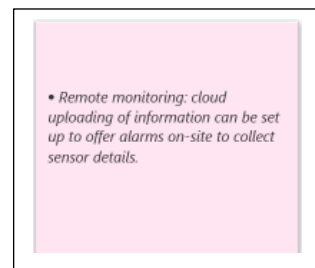
Person1 (Bhagyalakshmi T)



Person 3 (Lakshmi sree S)



Person 2 (Harsini A.M)



Person 4 (Madhumitha P.R)

3.Grouping ideas:

By grouping the ideas of the team members, we have proposed a solution to the problem.

- The smart fire management system includes a Gas sensor, Flame sensor and temperature sensors to detect any changes in the environment.
- Based on the temperature readings and if any Gases are present the exhaust fans are powered ON.
- If any flame is detected the sprinklers will be switched on automatically.
- Emergency alerts are notified to the authorities and Fire station.

Step-3: Idea Prioritization

