

Ideation Phase

Brainstorm & idea prioritisation

Date	17September2022
Team ID	PNT2022TMID30309
ProjectName	Industry Specific Intelligent Fire Management System
MaximumMarks	4Marks

2

Brainstorm

Write down any ideas that come to mind that address your problem statement.

⌚ 10 minutes

TIP

You can select a sticky note and hit the pencil [switch to sketch] icon to start drawing!

Vignesh V

We using Wifi to stay connected with electronic devices

using flame sensor to detect the flame

using LED Blinker for indication

We are using IR sensor for detecting leakage of gases

Lokesh S

Using temperature sensor to detect sudden changes in temperature

Idea is to develop a fire alarm system for security purpose by using buzzer.

we will work to find a method that deals with this high amount of data efficiently.

The sensor units are connected via common data line to microcontroller.

Keerthivasan R

In addition this system reduces the occurrence of false positives with time delay.

The continuous readings sent over WIFI modules to the central unit to analyze the data and trigger the water sprinkle.

Arduino is used for to perform under the specific tasks

use DC power supply to power up the microcontroller

Sri Vijay Kumar R M

We use c++ programming language to code the arduino

We use DC power supply with in the range of 5v to 12v

Using water sprinkler to control the fire from spreading.

we made this entire system to perform fully



4

Prioritize

Your team should all be on the same page about what's important moving forward. Place your ideas on this grid to determine which ideas are important and which are feasible.

🕒 20 minutes



Feasibility

Regardless of their Importance, which tasks are more feasible than others? (Cost, time, effort, complexity, etc.)

