Industry-Specific Intelligent Fire Management System
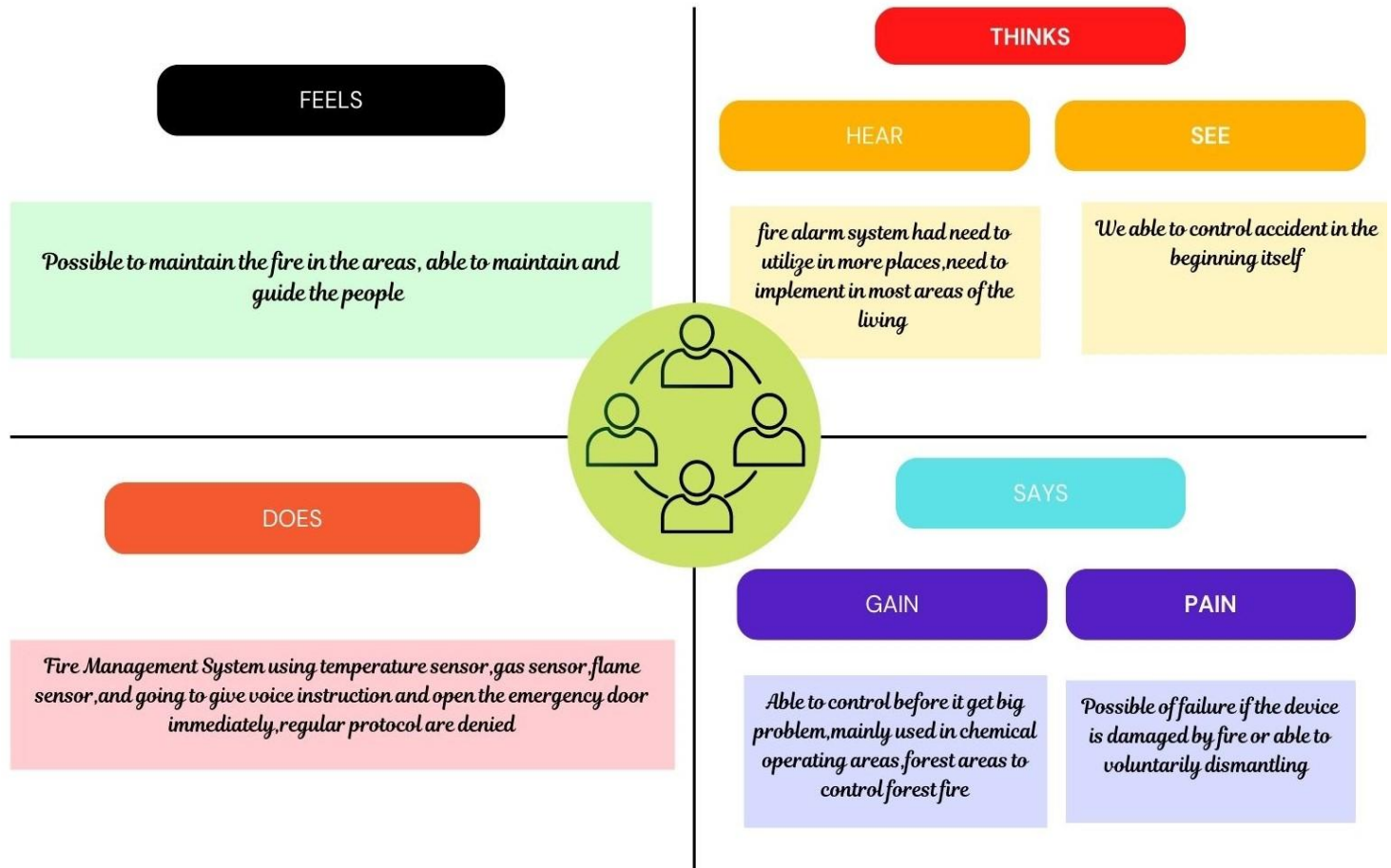
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EMPATHY MAP:

FEELS

Possible to maintain the fire in the areas, able to maintain and guide the people

THINKS

HEAR

fire alarm system had need to utilize in more places, need to implement in most areas of the living

SEE

We able to control accident in the beginning itself

DOES

Fire Management System using temperature sensor, gas sensor, flame sensor, and going to give voice instruction and open the emergency door immediately, regular protocol are denied

SAYS

GAIN

Able to control before it get big problem, mainly used in chemical operating areas, forest areas to control forest fire

PAIN

Possible of failure if the device is damaged by fire or able to voluntarily dismantling

Project Description:

- 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 Gasses 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.

Cloud Services

FAST SMS

User

IoT Device

Python Code
(random data)

IBM Watson
IoT Platform

Node-RED

Web UI

Cloudant DB