Empathy Map Canvas
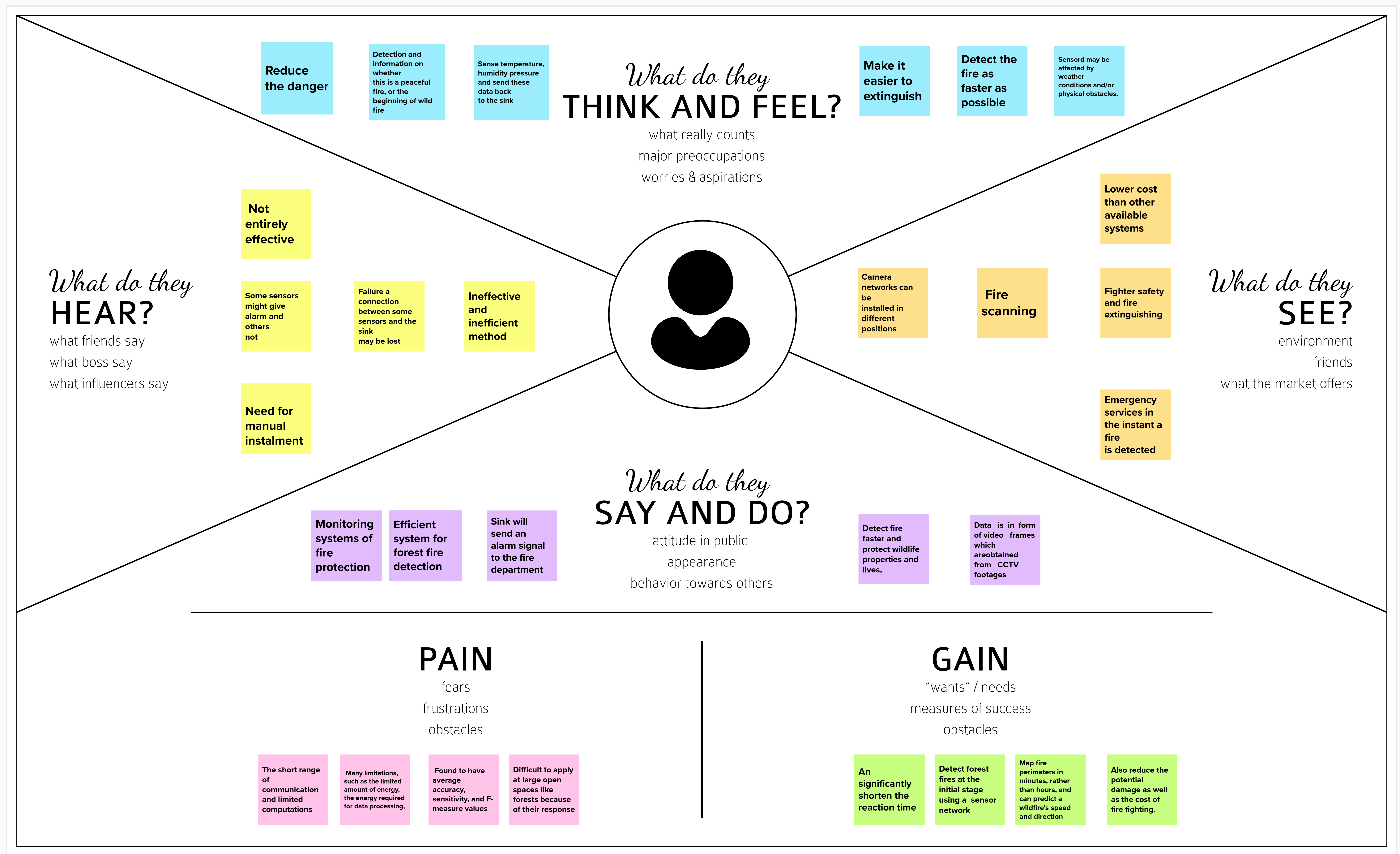
Gain insight and understanding on solving customer problems.

Build empathy and keep your focus on the user by putting yourself in their shoes.

What do they THINK AND FEEL?

what really counts
major preoccupations
worries & aspirations

- Reduce the danger
- Detection and information on whether this is a peaceful fire, or the beginning of wild fire
- Sense temperature, humidity pressure and send these data back to the sink
- Make it easier to extinguish
- Detect the fire as faster as possible
- Sensord may be affected by weather conditions and/or physical obstacles.

What do they HEAR?

what friends say
what boss say
what influencers say

- Not entirely effective
- Some sensors might give alarm and others not
- Failure a connection between some sensors and the sink may be lost
- Ineffective and inefficient method
- Need for manual instalment

What do they SEE?

environment
friends
what the market offers

- Lower cost than other available systems
- Camera networks can be installed in different positions
- Fire scanning
- Fighter safety and fire extinguishing
- Emergency services in the instant a fire is detected

What do they SAY AND DO?

attitude in public
appearance
behavior towards others

- Monitoring systems of fire protection
- Efficient system for forest fire detection
- Sink will send an alarm signal to the fire department
- Detect fire faster and protect wildlife properties and lives,
- Data is in form of video frames which areobtained from CCTV footages

PAIN

fears
frustrations
obstacles

- The short range of communication and limited computations
- Many limitations, such as the limited amount of energy, the energy required for data processing,
- Found to have average accuracy, sensitivity, and F-measure values
- Difficult to apply at large open spaces like forests because of their response

GAIN

"wants" / needs
measures of success
obstacles

- An significantly shorten the reaction time
- Detect forest fires at the initial stage using a sensor network
- Map fire perimeters in minutes, rather than hours, and can predict a wildfire's speed and direction
- Also reduce the potential damage as well as the cost of fire fighting.

PROBLEM STATEMENT

NIVEDHA K   is a   Data Scientist

user name   user characteristics

who needs   to pre-process the image data

user need

because   it helps to clean the data for pattern recognition

insight

PROBLEM STATEMENT

SOUNDHARYA P   is a   Data Scientist

user name   user characteristics

who needs   to design the model

user need

because   it needs to detect forest fires and data visualization to view the status of the forest

insight

PROBLEM STATEMENT

is a   Data Scientist

SUGASHINI T
user name   user characteristics

who needs   to recognize pattern

user need

because   he wants to detect forest fire in advance

insight

PROBLEM STATEMENT

RAMJI S

is a   Manager

user name

user characteristics

who needs   to manage the team

user need

because

project needs to be done before the deadline.

insight