1

Define your problem statement

Many industries are becoming in fire trouble/hazards where people can lose their belongings and lives. To reduce that problem, An automatic fire alarm system is designed to detect the unwanted presence of fire.

🕐 5 minutes

Key rules of brainstorming
To run a smooth and productive session

- Stay in topic.
- Defer judgment.
- Go for volume.
- Encourage wild ideas.
- Listen to others.
- If possible, be visual.

2

Brainstorm

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

🕐 10 minutes

DINESH S

- FIRE MANAGEMENT
- USING RASPERRI PI
- USE VENTILATOR FAN ON
- ARDUINO AND RED NODE
- WILD FIRE MANAGMENT
- WATER SPRINKLES TO STOP FIRE

KARUPPUSAMY A

- SENSORS TO STOP FIRE
- ALARM TO INDICATE
- GAS CHECKING SENSOR
- SMS TO INDICATE FIREMAN
- GET WATER FROM RAINWATER HARVESTING
- MAKE SPECIAL ROOM FOR FIRE MANAGEMENT

KARTHIC C

- USE FIRE EXTINGUISER
- EMERGENCY EXIT
- POWER SHUTDOWN
- ANY CHEMICALS TO STOP FIRE
- MAKE SPECIAL ROOM FOR FIRE MANAGEMENT
- ENSURE SAFETY OF BUILDING
- PROTECTION OF LIFE

BALAVENKATESH R

- USE SPECIAL BLANKET FOR INSTANT FIRE
- PERSONAL EMERGENCY EVACUATION PLAN
- USE FIRE LESS ATTACK OBJECT IN OFFICE
- PERSONAL ALARM SYSTEM
- FIRE SAFETY PROTOCOL
- SMOKE DETECTOR

3

Group ideas

Take turns sharing your ideas while clustering similar or related notes as you go.
In the last 10 minutes, give each cluster a sentence-like label. If a cluster is bigger than six sticky notes, try and see if you and break it up into smaller sub-groups.

🕐 20 minutes

- ALARM TO INDICATE
- SMOKE DETECTOR
- USE VENTILATOR FAN ON
- GAS CHECKING SENSOR
- FIRE MANAGEMENT
- SENSORS TO STOP FIRE
- USE FIRE EXTINGUISER
- FIRE SAFETY PROTOCOL
- EMERGENCY EXIT
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- PERSONAL EMERGENCY EVACUATION PLAN
- PROTECTION OF LIFE
- ANY CHEMICALS TO STOP FIRE
- ENSURE SAFETY OF BUILDING
- WILD FIRE MANAGEMENT
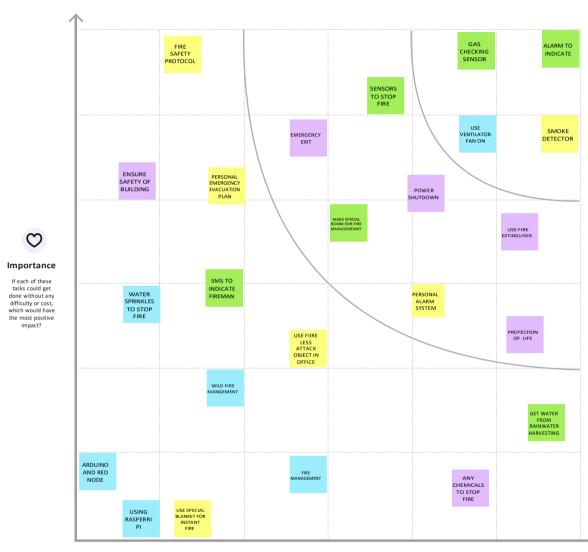- USING RASPERRI PI
- ARDUINO AND RED NODE

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

Importance

If each of these tasks could get done without any difficulty or cost, which would have the most positive impact?

Feasibility

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

(Grid items placed:)
- FIRE SAFETY PROTOCOL
- GAS CHECKING SENSOR
- ALARM TO INDICATE
- SENSORS TO STOP FIRE
- EMERGENCY EXIT
- USE VENTILATOR FAN ON
- SMOKE DETECTOR
- ENSURE SAFETY OF BUILDING
- PERSONAL EMERGENCY EVACUATION PLAN
- POWER SHUTDOWN
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- ANY CHEMICALS TO STOP FIRE
- USING RASPERRI PI
- USE SPECIAL BLANKET FOR INSTANT FIRE