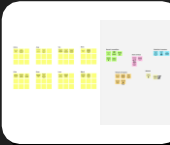# Brainstorm & idea prioritization

Use this template in your own brainstorming sessions so your team can unleash their imagination and start shaping concepts even if you're not sitting in the same room.

- 10 minutes to prepare
- 1 hour to collaborate
- 2-8 people recommended

Share template feedback

Before you collaborate

A little bit of preparation goes a long way with this session. Here's what you need to do to get going.

⏱ 10 minutes

Team gathering
Define who should participate in the session and send an invite. Share relevant information or pre-work ahead.

Set the goal
Think about the problem you'll be focusing on solving in the brainstorming session.

Learn how to use the facilitation tools
Use the Facilitation Superpowers to run a happy and productive session.

Open article →

Define your problem statement

What problem are you trying to solve? Frame your problem as a How Might We statement. This will be the focus of your brainstorm.

⏱ 5 minutes

PROBLEM
How might we [your problem statement]?

Key rules of brainstorming
To run an smooth and productive session

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

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!

Jenifa.J

CO2/Temperature sensors are deployed throughout the coverage area.CO2 levels can be monitored every 15 minutes (orless),along with temperature, battery status etc

The gateway providers LoRaWAN coverage for up to 15KM or more outdoors,providing low power wireless access to the network of sensors

Heat detectors are the most basic detection devices.They areavailable in several type.These type are spot and line.

The network can detect fires quickly while consuming energy efficiency.

Annal Lici.A

In preprocessing unwanted distortions are removed and image is resized and transformations of resized image is performed.

High frequencies of an image are eliminated using SWT and the reconstruction of image are done by inverse SWT

Upon receiving sensor data,the gateway transmits the data back via satellite(in an optimised manner) to a cloud platform or dashboard.

This method involves three steps processing. SWT, histogram analysis.

Nisanthini.M

In recent history and even the present day,several forest fire detection methods have been implemented,such as watchtowers,satellite image processing methods are used.

Spot detectors are single units installed in single locations throughout the protected area by detecting the forest fires.

Forest fire detection uses the technique of optical sensors and digital camera based methods are used to monitored the fires.

By using the MWR Infrard cameras can be used to detect heat and with particular algorithms can detect hotspots with in a scene as well as flames for both detection and protection of fire and risks of fire

Pavithra.S

Sensor technology has been widely used in fire detection usually depending on sensing physical parameters such as changes in pressure, humidity and temperature, as well as chemical parameters such as carbon dioxide, carbon monoxide and nitrogen dioxide.

The second factor is that digital cameras can cover large areas with excellent results.

The first factor is the rapid development of digital camera technology and CCD or CMOS digital camera which has resulted in a rapid increase in image quality and decreased cost of the cameras.

Third, the response time of image processing models is better than that of existing sensor models. Finally the overall cost of image processing systems is lower than existing systems.

Group ideas

Take turns sharing your ideas while clustering similar or related notes as you go. Once all sticky notes have been grouped, 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

- Detect fire using Temperature Levels
- Detection of forest fire is done through the deployment of YOLOv4 to UAV-based aerial images.
- Detecting smoke with video cameras and algorithms.
- Autonomous Drone Routing.
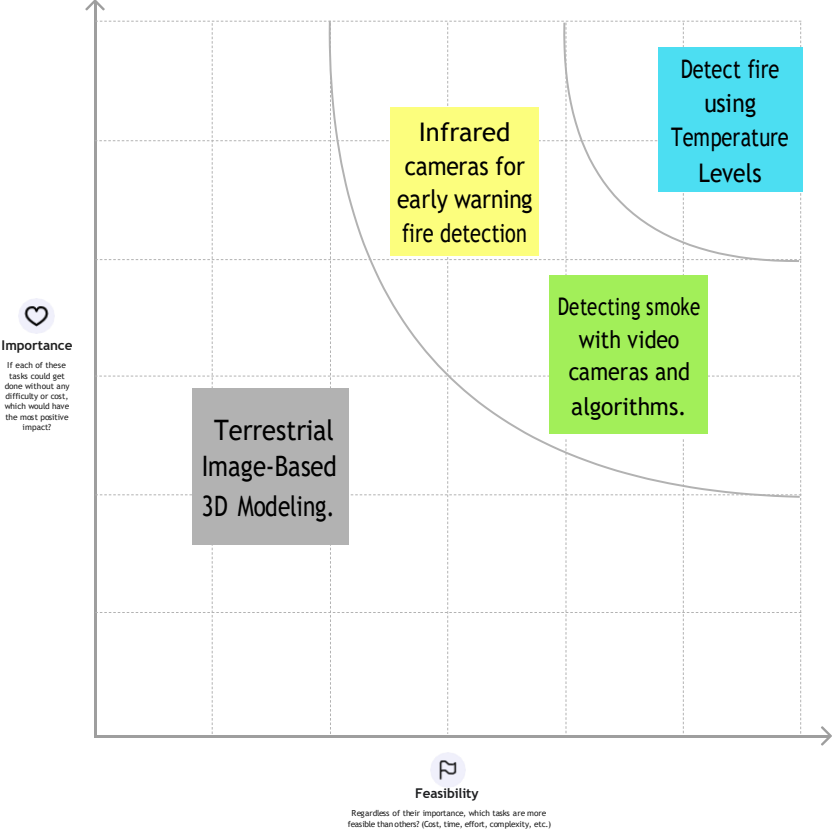- Infrared cameras for early warning fire detection
- Terrestrial Image-Based 3D Modeling.

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 therefores? (Cost, time, effort, complexity, etc.)

- Infrared cameras for early warning fire detection
- Detect fire using Temperature Levels
- Detecting smoke with video cameras and algorithms.
- Terrestrial Image-Based 3D Modeling.

After you collaborate

You can export the mural as an image or pdf to share with members of your company who might find it helpful.

Quick add-ons

Share the mural
Share a view link to the mural with stakeholders to keep them in the loop about the outcomes of the session.

Export the mural
Export a copy of the mural as a PNG or PDF to attach to emails, include in slides, or save in your drive.

Keep moving forward

Strategy blueprint
Define the components of a new idea or strategy.
Open the template →

Customer experience journey map
Understand customer needs, motivations, and obstacles for an experience.
Open the template →

Strengths, weaknesses, opportunities & threats
Identify strengths, weaknesses, opportunities, and threats (SWOT) to develop a plan.
Open the template →

Share template feedback

Need some inspiration?
See a finished version of this template to kickstart your work.
Open example →