Template

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

1 Define your problem statement

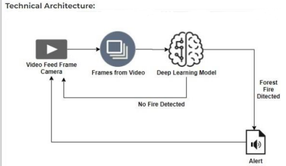
What problem are you trying to solve? Frame your problem as a How Might We statement. This will be the focus of your brainstorm.

5 minutes

Emerging Methods For Early Detection Of Forest Fires

Forest fires are a major environmental issue, creating economic and ecological damage while endangering human lives. There are typically about 100,000 wildfires in the United States every year. Over 9 million acres of land have been destroyed due to treacherous wildfires. It is difficult to predict and detect Forest Fire in a sparsely populated forest area and it is more difficult if the prediction is done using ground-based methods like Camera or Video-Based approach. Satellites can be an important source of data prior to and also during the Fire due to its reliability and efficiency. The various real-time forest fire detection and prediction approaches, with the goal of informing the local fire authorities.

Technical Architecture:



2 Brainstorm

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

10 minutes

Keertheeraj

- Based on Gaussian mixture model
- Emerging methods like LoraWAN Sensor Networks
- Image processing
- Fire Dection Using CNN Model

Lokesh

- Collecting Data Using Satellite Image
- Monitoring the forest Using satellites
- Implementing ground level sensor for data
- Deep Learning can be used

Logesh

- Detection using wireless sensor network
- Using microwave sensor
- Using cluster heads to determine the GPS
- Using optical sensor and digital camera

Kiirthick

- Prediction using machine learning
- Early detection using unmaned Aerial Vehicle
- Utilising Neural Network
- Using radio Acoustic Sounding System

3 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

Cluster A

- Emerging methods like LoraWAN Sensor Networks → Early detection using unmaned Aerial Vehicle → Utilising Neural Network
- Based on Gaussian Model → Detection using wireless sensors network → Using cluster to determine GPS

Cluster B

- Fire detection using CNN model
- Based on Guassian mixture model
- Monitoring forest fire using satellite

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