

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

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 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 and also using satellites.

Brainstorm

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

🕒 10 minutes

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Therma- cam imaging	infrared signatures	educating people
optical plumes	satellite systems	limiting emission of toxic products
fire indicators	heat detectors	alarming systems to alert

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heat maps	temperature scale	UAV's
SAR imaging techniques	lessen emission of global warming gases	smoke detectors
iot and co2 sensors	spot detectors	lightning detectors

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ionization detectors	ultrasonic sensors	trouble signalling
flame detectors	deep learning applications	HFAD
soil testing		

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photoelectric sensors	remote sensors	supervisory signalling
fire gas detectors	ML methods	prediction
temperature monitoring		