Ideation Phase
Brainstorm & Idea Prioritization Template

Date	19 September 2022
Team ID	PNT2022TMID30190
Project Name	Emerging Methods for Early Detection of Forest Fires
Maximum Marks	4 Marks

Step-1: Team Gathering, Collaboration and Select the Problem Statement

Step-2: Brainstorm, Idea Listing and Grouping

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Brainstorm

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

🕐 10 minutes

Sanjay GJ

Read Image	Send the image	Process the image
Train set trains the Model	Warn & Alert	Detection

Sudhir Kumaar SJ

Read Environment	Collect & Send data	Comparison
Image Analyzing	Check the image	ALERT Sent

Nandhakumar G

Fuzzy based approach	YCbCr, HSV model	Detection using YCbCr
color separation	smoke detection	Detection prediction

Sandeep Kumar Varma M

Read with CV	Classify Video	Observes frame changes
Captured	Location sent	Alert issued

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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

IDENTIFICATION

Check the frames		Sudden pixel color change
	Check pixel colors	
Surveillance		Dataset comparison

MODULES

WebCam feedback		Ai for autonomous decision
	ImageDataGenerator library	
Model building		Optimization & testing

Step-3: Idea Prioritization

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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

Feasibility

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