Ideation Phase
Brainstorm & Idea Prioritization
Template

Date	10 October 2022
Team ID	PNT2022TMID37860
Project Name	Project – EMERGING METHODS FOR EARLY DETECTION OF FOREST FIRES
Maximum Marks	4 Marks

Brainstorm & Idea Prioritization Template:

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

GrouStep-2: Brainstorm, Idea Listing and Grouping

2

Brainstorm

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

⏱ 10 minutes

CHINNADURAI I		
lookout stations	Easy to detect	support vector machines
Robots are used.	Early detection	reduce the number of false alarms
Easy to maintain	High accuracy	Reduce the number of false alarms

ARUNKUMAR M		
Keep vehicles off dry grass.	Autonomous Drift	safer
High Efficiency	Wireless Sensor Networks	Affordable.
User Friendly	cover large areas	Basic Navigation

KADHARALI S		
Remote sensors are used.	Remove any limbs	controlled burning.
Easy to review	never leave a fire unattended	Medium practicality.
tourism and recreation are decreased.	Awareness	Drown all fires.

VISHANTH R		
human understandable	Semantic Evaluation	Precise
Collision Evasion	Medium cost	Reliable
YOLOv8 to LiDAR based aerial images are used	Use fire resistant roofing materials	Block Distinction

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

TIP

Add customizable tags to sticky notes to make it easier to find, browse, organize, and categorize important ideas as themes within your mural.

Technologies

Robots are used.

Use fire resistant roofing materials

YOLOv8 to LiDAR based aerial images are used

Wireless Sensor Networks

Remote sensors are used.

Risk Factors

Simplicity

Affordable

Medium cost

Human understandable

safer

Easy to detect

Block Distinction

Drown all fires.

Performance

Easy to review

High accuracy

High Efficiency

Maintenance

reduce the number of false alarms

Keep vehicles off dry grass.

controlled burning.

Easy to maintain

Remove any limbs

Effectiveness

cover large areas

Precise

Semantic Evaluation

Step-3: Idea Prioritization

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?

- Affordable.
- safer
- Remote sensors are used.
- Easy to maintain
- High Efficiency
- Easy to review
- reduce the number of false alarms
- User Friendly

TIP

Participants can use their cursors to point at where sticky notes should go on the grid. The facilitator can confirm the spot by using the laser pointer holding the **H key** on the keyboard.

- cover large areas
- Wireless Sensor Networks
- Remove any limbs

Feasibility

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

→ 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

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

B **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 →

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