

BRAINSTORMING IDEAS

Date	17.09.2022
Team ID	PNT2022TMID25913
Project Name	Exploratory Analysis of Rain Fall Data in India for Agriculture
Maximum Marks	4

Brainstorm & Idea Prioritization Template:

Brainstorming provides a free and open environment that encourages everyone within a team to participate in the creative thinking process that leads to problem solving. Prioritizing volume over value, out-of-the-box ideas are welcome and built upon, and all participants are encouraged to collaborate, helping each other develop a rich amount of creative solutions. 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.

Link to the template :

<https://app.mural.co/invitation/mural/thechroniclesofcoding5084/1664644783769?sender=u9c34c9797529be3a666b1928&key=3f5fe024-d777-47ed-9ddb-1c1802a3c4e4>

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

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

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 help farmers
in India by analyzing
rainfall data?

Key rules of brainstorming

To run a smooth and productive session

Stay in topic.

Encourage wild ideas.

Defer judgment.

Listen to others.

Go for volume.

If possible, be visual.

Step-2: Brainstorm, Idea Listing and Grouping

Brainstorm

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

 10 minutes

Person 1

Amount of rainfall must be collected

Places with high and low rainfall must be listed

Alternate irrigation sources must be figured out

Person 2

Evidence based research must be performed

Satellites must be used to measure rainfall

ML an AI can be used to predict rainfall

Person 3

Dataset must be collected

Sensors must be used to measure rainfall

Meteorological department will have rainfall dataset

Person 4

Linear Regression Model must be used to predict rainfall

Cyclone Predictions and Flood predictions must also be made

Temperature Forecasting must be also be performed



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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 can break it up into smaller sub-groups.

 20 minutes



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must be
collected

Meteorologist
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dataset

Linear
Regression
Model must be
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ML an AI can
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Evidence
based
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Satellites
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Sensors must
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Amount of
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Places with
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Cyclone
Predictions and
Flood
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Temperature
Forecasting
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be performed

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

