

Ideation Phase

Brainstorm & Idea Prioritization Template

Date	19 September 2022
Team ID	PNT2022TMID05406
Project Name	Exploratory Analysis of Rainfall Data in India for Agriculture
Maximum Marks	4 Marks

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.

Reference: <https://www.mural.co/templates/empathy-map-canvas>

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



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

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Need some inspiration?
See a featured version of this template to kickstart your work.

[Open example](#) →



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

- A Team gathering**
Define who should participate in the session and send an invite. Share relevant information or pre-work ahead.
 - B Set the goal**
Think about the problem you'll be focusing on solving in the brainstorming session.
 - C 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

PROBLEM

How Might we develop a novel method for predicting rainfall for agriculture

SOLUTION

Analyzing the past recorded data and Predicting the climate will help in taking action before any harm both for humans as well as in agricultural field



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

2

Brainstorm
Write down any ideas that come to mind that address your problem statement.
[10 minutes](#)

AKSHAYA S M
Date and Time
Recognize Weather Condition
Finding Humidity
Future Rainfall Prediction

ANUSIYA C
Identifying Location
Estimates Rainfall
Alert System
Geographical Information

DEEPTHI SREE S
LSTM Models
Statistical Model
Future Rainfall Prediction
Develop a Web Application

JANANI M
Predicting System Output
Cost-Benefit Analysis
Rainfall Time Series
Measurement of Rainfall

TIP
You can select a sticky note and hit the pen icon to its right to edit it.

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 can break it up into smaller sub-groups.
[20 minutes](#)

IDENTIFICATION
Identification Location
Measurements of Rainfall
Identifying Date and Time
Geographical Information

MODULES
LSTM Models
Develop a Web Application
Inputs from Users
Training of Models

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

