

## Ideation Phase

### Brainstorm & Idea Prioritization Template

Date	8 September 2022
Team ID	PNT2022TMID40831
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

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  
👥 2-9 people recommended

[Share template feedback](#)



#### 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

To develop a novel method for predicting rainfall for agriculture based on weather condition.

⌚ 5 minutes

PROBLEM

How might we develop a novel method for predicting rainfall for agriculture based on weather condition?



#### 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

### 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.

30 minutes

Climatic conditions plays a major role in Agriculture.

Climatic changes are due to global warming.

Climatic conditions are difficult to predict.

Climatic plays a major role in agriculture wrong prediction leads to major losses of resources for farmers.

Climate is very important for living beings which is very hard to predict due to dynamic changing conditions.

Climate is very important for all the living organisms.

More data is needed for rainfall prediction. Where accurate prediction helps mankind on many factors.

Machine learning is not always accurate without having more observations on the things and instead some patterns it is moderate the climatic conditions.

### 2 Brainstorm

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

10 minutes

**TIP**  
You can select a sticky note (and let the parent/teacher do a sketch) even to start drawing!

**Vichitra**

Climatic conditions plays a major role in Agriculture.

Climatic changes are due to global warming.

Climatic conditions are difficult to predict.

**Meena**

Worst rainfall prediction leads to loss in agriculture.

Agriculture is reducing in the world due to poor climatic conditions.

Loss of rainfall in many regions for decades, farmers are facing the drought.

Increase in forest land leads to good climatic conditions.

**Srimathi**

Effect of climatic conditions on agricultural health, to help food resources.

Good climatic prediction helps the farmers to avoid losses.

Adequate rainfall provides fresh water for human uses.

More data is needed for rainfall prediction.

**Archana**

Machine Learning provides a way to predict the climate.

More observations are required to understand the climatic changes.

Large amount of data is needed to train the model, which helps in agriculture.

Reduction of pollution will increase the rainfall.

## 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

