

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

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do to get going.

session and send an
pre-work ahead.

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run a happy and

PROBLEM

To perform rainfall
forecasting to plan
accordingly for increasing
the crop production



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.

Brainstorm

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

⌚ 10 minutes

TIP

You can select a sticky note and hit the pencil [switch to sketch] icon to start drawing!

Srivathssan V V (19z247)

Use various forecasting sources like TV channels etc to plan accordingly	Use a Machine Learning to perform rainfall forecasting
Observe the trend of rain with respect to various weather related parameters and use that trend	Formulate a mathematical equation for predicting rain based on month, season etc

Vignesh M (19z258)

Predict will it rain today or not using Deep Neural Networks	Capture random images of clouds and sky in then mentioned area and perform analysis on that image
Use Hardware equipment like Humid Checker of soil to predict rainfall	Use Weather predictors for predicting rain

Vigneshwar K (19z259)

Collect data of rainfall in various months and determine the most raining month and mark all days of that month as rainy days	Formulate a mathematical equation that predicts rainfall based on weather parameters
Collect rainfall data as per geographical conditions and assign each region with a probability of rain	Use Machine Learning Techniques to predict rain

Vignesh A (20z436)

Use web APIs available in internet	Web scrap various websites regarding weather and list their predictions
Use Machine Learning Algorithms	Use various forecasting sources to plan accordingly

3

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 can break it up into smaller sub-groups.

⌚ 20 minutes

Category 1: Machine Learning aspect

Use a Machine Learning to perform rainfall forecasting

Predict will it rain today or not using Deep Neural Networks

Category 2: Statistical approach

Formulate a mathematical equation for predicting rain based on month, season etc

Collect rainfall data as per geographical conditions and assign each region with a probability of rain

Collect data of rainfall in various months and determine the most raining month and mark all days of that month as rainy days

Category 3: Web Scraping And Using Third Party sources

Use web APIs available in internet

Use various forecasting sources to plan accordingly

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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

