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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

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

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

