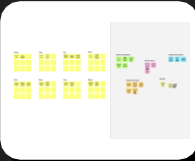# Brainstorm
& idea prioritization

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

"In the dynamic realm of cryptocurrency, predicting Bitcoin prices is challenging due to market volatility. This project addresses the need for accurate forecasting using time series analysis with Prophet to enhance decision-making in the ever-changing Bitcoin landscape.".

10 minutes

PROBLEM

handling extreme volatility, incorporating unpredictable market events, and ensuring accurate forecasting in Bitcoin price prediction using Prophet."

Key rules of brainstorming
To run an smooth and productive session

- Stay in topic.
- Defer judgment.
- Go for volume.
- Encourage wild ideas.
- Listen to others.
- If possible, be visual.

Brainstorm

TIME SERIES ANALYSIS FOR BITCOIN PREDICTION USING PROPHET: Prophet, a time series analysis tool, is applied to predict Bitcoin prices. Leveraging historical data, seasonality, and trends, Prophet employs a decomposable model, accommodating various factors affecting Bitcoin's value. Its ability to handle missing data and outliers enhances forecasting accuracy, making it a valuable tool for predicting Bitcoin price movements.

10 minutes

VISMAYA SATHEESH

B. SRAVANI

Group ideas

Prophet, in Bitcoin time series analysis, aids users by forecasting price trends. Leveraging historical data, it captures seasonality and trends, providing insights for strategic decision-making. Its user-friendly implementation in Python allows individuals to easily interpret and analyze Bitcoin price movements, supporting informed actions in the volatile cryptocurrency market.

20 minutes

Data Collection
- Collect historical Bitcoin price data.
- Apply Prophet in Python for forecasting, incorporating seasonality and trends.
- Structure data with timestamps.

Model Deployment
- Train Prophet model on historical Bitcoin data.
- Deploy the trained model for real-time Bitcoin price prediction.
- Validate model performance.

Model Training
- Input historical Bitcoin price data.
- Configure Prophet model parameters.
- Train the model, capturing trends and seasonality for accurate time series analysis and prediction.

User Interaction
- Develop an intuitive interface.
- enable users to set prediction parameters.
- Initiate analysis.
- Facilitate user feedback for model improvement.
- Display results.
- Processing the Finalized Prediction.

Prioritize

Determine the order for dealing with tasks according to their relative importance.

20 minutes

Importance / Feasibility