

Ideation Phase

Brainstorm & Idea Prioritization Template


Project Name	AI-Enhanced Intrusion Detection System
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Reference:

<https://app.mural.co/t/zeenatmulla9942/m/zeenatmulla9942/1744804692461/b136b4a00212c4ad1dd1e9bc95c18c069473d9e3?sender=u81ed91d47668242dfc3c5275>

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
👤 2-8 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

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 [your problem statement]?



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

TIP
You can select a sticky note and hit the pencil icon to start drawing!

Person 1

Use CNN + LSTM for sequential packet analysis.

Utilize CICIDS2017 dataset for training models.

Precision, Recall, F1-Score, ROC-AUC.

Docker-based microservices for easy updates.

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

TIP
Add a descriptive tag to sticky notes to make it easier to find, browse, organize, and categorize important ideas as you go through your rounds.

CNN, LSTM, Autoencoder, Random Forest, Anomaly Detection.

Packet capture → Feature Extraction → Normalization.

Cross-validation, Confusion Matrix, Real-time Performance.

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

TIP

Participants can use their cursors to point at where sticky notes should go on the grid. The facilitator can confirm the spot by using the laser pointer holding the **H** key on the keyboard.

