

Ideation Phase

Brainstorm & Idea Prioritization Template

Project Name	AI-enhanced intrusion detection system
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Reference:

<https://app.mural.co/t/piyushakapare1349/m/piyushakapare1349/1744709557579/575f0b1faa-bd03ad6ad21c1615b49d9e6beea52c?sender=u5a9dc9f61455ed65d9b1079>

Step-1: Team Gathering, Collaboration and Select the Problem Statement

The image displays three sequential pages of a digital template designed for brainstorming sessions. The leftmost page features a large blue circle containing a white lightbulb icon, with wavy lines emanating from it. Below this is the main title "Brainstorm & idea prioritization" in a bold, black font. Underneath the title, a paragraph explains the purpose of the template. At the bottom, there are three icons representing time and participant requirements: a clock for "10 minutes to prepare", an hourglass for "1 hour to collaborate", and a group of people for "2-8 people recommended". The middle page is headed by a blue circle with a right-pointing arrow. It contains three numbered steps: Step A, "Team gathering", which involves defining participants and sharing information; Step B, "Set the goal", which involves focusing on the problem to solve; and Step C, "Learn how to use the facilitation tools", which refers to using specific resources. Each step includes a brief description and a link to "Open article". The rightmost page is headed by a blue circle with the number "1". It is titled "Define your problem statement" and asks the user to frame their problem as a "How Might We" statement. Below this, there is a box labeled "PROBLEM" containing a sample question about designing an AI-enhanced intrusion detection system. At the bottom of this page, there is a circular icon showing a head profile with gears and a lightbulb, followed by the section title "Key rules of brainstorming". This section states the goal is to run a smooth and productive session and lists four rules, each accompanied by an icon: "Stay in topic.", "Encourage wild ideas.", "Defer judgment.", and "Listen to others."

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 (switch to sketch) icon to start drawing!

Person 1

Use a hybrid model combining CNN + LSTM for packet inspection.

Integrate real-time anomaly detection using autoencoders.

Implement threat visualization dashboard for admins.

Use synthetic data generation for training rare attack scenarios.

Use federated learning for privacy-preserving training.

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

CNN + LSTM hybrid, autoencoders, adaptive models

Synthetic data, federated learning, labeling assistant

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.

