

# Brainstorm

**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**

**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**

**2**

Smart Lender - Applicant Credibility Prediction for Loan Approval

Bank employees need a way to predict loan defaults so that approved loan collections are loss-free and serve as a contributing parameter to bank statements. This problem arises when a bank needs to lend money to a customer in need. Since the banking system is one of the most important factors affecting the economy and financial condition of our country, and credit risk assessment is an important function of the banking system, this issue needs to be resolved urgently.

**Brainstorm**

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

**10 minutes**

**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 and break it up into smaller sub-groups.

**20 minutes**

**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**

**Occupation / borrower's annual income**

**After you collaborate**

You can export the mural as an image or pdf to share with members of your company who might find it helpful.

# & 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.

1. **Team gathering**

Define who should participate in the session and send an invite. Share relevant information or pre-work ahead.

1. **Set the goal**

Think about the problem you'll be focusing on solving in the brainstorming session.

1. **Learn how to use the facilitation tools**

Use the Facilitation Superpowers to run a happy and

**MERLIN JONE J**

**Occupation / borrower's annual income**

**Family Background**

**Property**

**KAIF S**

**Classification Model that can be used - Decision Tree**

## 

**Credit Score**

**Loan History**

Based on Borrower

## 

**Age**

**Educational Background**

Resources / External Support

## 

**Property**

**Family Background**

Classification Models

**Information about the borrower's Income Tax**

## 

Classification Model that can be used - Decision Tree

XGBoost Model can be used

**Quick add-ons**

* 1. **Share the mural**

**Share a view link** to the mural with stakeholders to keep them in the loop about the outcomes of the session.

* 1. **Export the mural**

Export a copy of the mural as a PNG or PDF to attach to emails, include in slides, or save in your drive.

Web Interface for the problem statement

**XGBoost Model can be used**

**Loan Duration**

**Mobile Application for the bank employees**

**Information about the borrower's Income Tax**

Web Interface for the problem statement

Property

**10 minutes** to prepare

**1 hour** to collaborate

**2-8 people** recommended

Random Forest Model for algorithm

productive session.

[**Open article**](https://support.mural.co/en/articles/2113740-facilitation-superpowers)

**Parental Support / History**

Cibil / Credit Score

XGBoost Model can be used

**MUGUNTHAN R**

Family Background

**Number of loans taken recently**

Type of loan that the borrower wants

## 

**Guarantee Support**

**Age**

**Loan Scale**

**PARTHIBAN D**

## 

**Current Financial Status of Borrower**

**Financial Growth of the borrower**

**Machine for such problem using Embedded systems (Microcontroller)**

**Occupation / Income of the Borrower**

Potential Measuring Parameters of Borrower

## 

**Credit Score**

**How much Income Tax does the borrower pays**

**Guarantee Support**

**Parental Support / History**

Loan Parameters

Guarantee Support

Web Interface for the problem statement

## 

**Loan Scale**

**Loan History**

Random Forest Model for algorithm

Interface

Mobile Application for the bank employees

**Importance**

If each of these tasks could get done without any difficulty or cost, which would have the most positive impact?

Loan History

Mobile Application for the bank employees

Support Vector Machine Model

Financial Growth of the borrower

A machine in the bank office for classification using IOT

Current Financial

Loan Duration

Classification Model that can be used - Decision Tree

Parental Support / History

**Keep moving forward**

**Strategy blueprint**

Define the components of a new idea or strategy.

[**Open the template**](https://app.mural.co/template/e95f612a-f72a-4772-bc48-545aaa04e0c9/984865a6-0a96-4472-a48d-47639307b3ca)

**Customer experience journey map**

Understand customer needs, motivations, and obstacles for an experience.

[**Open the template**](https://app.mural.co/template/b7114010-3a67-4d63-a51d-6f2cedc9633f/c1b465ab-57af-4624-8faf-ebb312edc0eb)

**Strengths, weaknesses, opportunities & threats**

Identify strengths, weaknesses, opportunities, and threats (SWOT) to develop a plan.

|  |  |
| --- | --- |
|  |  |
|  |  |

[**Open the template**](https://app.mural.co/template/6a062671-89ee-4b76-9409-2603d8b098be/ca270343-1d54-4952-9d8c-fbc303ffd0f2)

**Key rules of brainstorming**

To run an smooth and productive session

**Loan Duration**

Age

Machine for such problem using Embedded systems (Microcontroller)

Status of Borrower

Loan Scale

[**Share template feedback**](https://muralco.typeform.com/to/CiqaHVat?typeform-source=app.mural.co)

Stay in topic.

Defer judgment.

Encourage wild ideas.

Listen to others.

Support Vector Machine Model

Number of loans taken recently

**Current Financial Status of Borrower**

**Financial Growth of the borrower**

**Number of loans taken recently**

Machine for such problem using Embedded systems (Microcontroller)

A machine in the bank office for classification using IOT

**Type of loan that the borrower wants**

**Support Vector Machine Model**

**The borrower's preferred loan type**

**Random Forest Model for algorithm**

**A machine in the bank office for classification using IOT**

**Educational Background**

Educational Background

Go for volume. If possible, be visual.

**Template**

[**Share template feedback**](https://muralco.typeform.com/to/CiqaHVat?typeform-source=app.mural.co)

**Feasibility**

Regardless of their importance, which tasks are more feasible than others? (Cost, time, effort, complexity, etc.)