


Ideation Phase

Brainstorm & Idea Prioritization Template

Date	03 October 2022
Team ID	PNT2022TMID53522
Project Name	Smart Lender - Applicant Credibility Prediction for Loan Approval
Maximum Marks	4 Marks

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



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.

🕒 2 months to prepare
🕒 1 month to collaborate
👤 4 members

➔

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.

🕒

A Team gathering
Sri Shakti(team leader) will gather group and instruct, ask idea and lead the group further.

B Set the goal
Higher Accuracy.
Clean Visuals.
Clean Code.
More Insights

C Learn how to use the facilitation tools
1. Youtube and IBM sessions to learn concepts.
2. Use documentation to code new concepts.
3. use discord , stackoverflow to clear doubts.
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Applicant Credibility Prediction for Loan Approval

This data science project will help finance and banking people who give 100's of loan to their applicant and this group project will help stakeholder will come to the number if applicant who are eligible and not eligible by using data visualization , machine learning algorithms and stakeholder will make data driven decisions from this project.

PROBLEM

We are gonna solve this problem by using machine learning algorithms using sci-kit learn and other conventional libraries like spark to handle big data, numpy and pandas for reshaping, cleaning data etc.

Step-2: Brainstorm, Idea Listing and Grouping

2 Brainstorm

Ideas that come to mind that address the problem statement.

🔍

Sri Shashith

Get the data	Use various data sources to get data from multiple sources	Remove duplicate data from the dataset
Use different algorithms	Preprocess the data to make it more usable	Produce the results

Sriram

Use search to find the data	Use regular expressions to filter the data	Use neural network for the pattern recognition

Ranjan Siddharth

Use various data sources to get data from multiple sources	Remove duplicate data from the dataset	Use neural network for the pattern recognition

Rohith

Use various data sources to get data from multiple sources	Remove duplicate data from the dataset	Use neural network for the pattern recognition

3 Group ideas

Share ideas and we can make further planning based on mentor feedback.

🔍

Sri Shashith
Use Numpy, pandas, plotly

Sriram
Use Matplotlib

Ranjan Siddharth
Use seaborn for clean visualizations, use testing techniques if possible.

Rohith
Refactor code if possible, use clean visuals and use required libraries to reduce complexity

Sri Shashith
Use Apache spark to store big data

Sriram
Use Numpy, pandas, Matplotlib

Sri Shashith
Use Xgboost for regression

Sriram
Use charts like bar chart, pie chart, ribbon chart based on data provided.

Sri Shashith
Use aws or azure for model training and deploying model.

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.

🔍

Importance

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

Feasibility