

Ideation Phase

Brainstorm & Idea Prioritization Template


Date	19 September 2022
Team ID	PNT2022TMID35604
Project Name	Smart Lender - Applicant Credibility Prediction for Loan Approval
Maximum Marks	4 Marks

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

Brain storming and idea prioritization

In this Template share ideas and further ideas can be written here to modify accordingly , leader will modify these chart based on mentor feedback

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

Created in partnership with 

A

Team Gathering

Sanjay(team leader) will gather group and instruct , ask idea and lead the group further

B

Set Goal

Setting up our team goals

C

Facilitation tools

1. Youtube and IBM sessions to learn concepts.
2. Use documentation to code new concepts.
3. use discord , stackoverflow to clear doubts.

Higher Accuracy. Clean Visuals. Clean Code. More Insights

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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

Sanjay

1.Get Big data	2. Clean values by outlier detection , removing null value by mean/ median	3. Remove abnormal data from csv/txt fle

Sai Srinivasan

2. Clean values by outlier detection , removing null value by mean/ median	2.use matplotlib to create clean visuals	3.Use Neural Network For this problem

Prahadeesh

Use Xgboost Regression	2.Do statistical analysis i.e.Inferential statistics,descriptive statistics,etc	Try to keep ideas clean and nea

Rohith MSR

Preprocess data to reduce computation strain	Try to achieve more accuracy by repeated epochs and do parameter tuning	Do proper Refactoring of code and clean visualization patterns



Step-3: Idea Prioritization

prioritizing ideas



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

Sai Srinivasan



Use Plotly for interactive graphs or visualization, use xgboost and scikit learn for preprocessing and training model. Use Kaggle to learn code from experienced persons as it is a data science community

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Sanjay



Use aws , azure to deploy model and training model use seaborn. Use kaggle and github for reference

Rohith



Use seaborn , numpy ,pandas which are commonly used libraries in data science project.

Prahadeesh



Clean code ,clean visuals ,
Higher accuracy.