Project Title: Smart Lender-Applicant credibility prediction for loan approval **Project Design Phase-I** - Solution Fit **Team ID:** PNT2022TMID07972

Define CS, fit

1. CUSTOMER SEGMENT(S) — CS

- Bankers
- Loan Officers
- Organization
- Account holders
- Type of card user

6. CUSTOMER CONSTRAINTS — CC

- Delay in approval of loan
- Unable to find the credit score
- Error in credibility of asset
- Financial in stable of customer

5. AVAILABLE SOLUTIONS — AS

- Manually done on the based on credit score.
- Existing machine learning models that are not reliable and fail in abnormal condition of user.

Explore AS,

Focus on J&P, tap into BE,

2. JOBS-TO-BE-DONE / PROBLEMS — J&P

- Prediction of loan
- Classification of yes or no
- Why declined of loan
- Arrangement of security
- No proper guidance
- Reference in lending loan
- delay in sanctioning loan

9. PROBLEM ROOT CAUSE — RC

Its various from person to person and their financial condition.
When the person is new to the bank and as no history of loan and credit score .
When the defaulter increases risk it affect the evolutions of other user.

7. BEHAVIOUR — BE

The user can select the type of loan and term.
High interest rate affect the user and their living condition.

Focus on J&P, tap into BE,

Identify strong

3. TRIGGERS — TR

- Be visible to client
- Highlight required scheme
- Make loan interest as low
- Keep process short

4. EMOTIONS: BEFORE / AFTER — EM

When the loan is approved you feel joyed while its rejected we feel sad.
It is easily attacked by the hackers.

10. YOUR SOLUTION — SL

The proposed solution is the prediction of credit defaulters using classification algorithms and detect the credit risk evaluation .We use classification algorithms such as KNN and XGBOOST algorithms that forecast the loan defaulters and predict loan approval.

8.CHANNELS of BEHAVIOUR — CH

ONLINE

- Prediction of loan approval easily know.
- Credit score is visible
- Bank statement .

OFFLINE

- Submission of documents
- No proper treatment of customer
- Credit score and history affect the loan approval.

Extract online &