**Project Design Phase-I** - **Solution Fit Template**

**Project Title: Smart Lender – Applicant Credibility prediction for loan approval Team ID:** PNT2022TMID19156

**Explore AS, differentiate**

**Deﬁne CS, ﬁt into CC**

Existing filteration systems with low accuracy and not reliable

results

**AS**

**5. AVAILABLE SOLUTIONS**

* Getting all the history and data of the loanee manually is time consuming
* Checking credibility in large number of applicants

**CC**

**6. CUSTOMER CONSTRAINTS**

**CS**

**1. CUSTOMER SEGMENT(S)**

* Bankers
* Loan lenders
* Financial institutions involved in money lending

**Explore AS, differentiate**

**Define CS, fit into CC**

Loaner spends a lot of time and effort to analyze the credibility of

the person availing loan to asses if he/she should provide the loan or not

**BE**

**7. BEHAVIOUR**

**RC**

**9. PROBLEM ROOT CAUSE**

* Lack of adequate information about the person applying for loan
* Lack of accountability and understanding of decisions of models by users

**J&P**

**2. JOBS-TO-BE-DONE / PROBLEMS**

Providing a reliable machine learning model for prediction

**Focus on J&P, tap into BE, understand RC**

**Focus on J&P, tap into BE, understand RC**

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| --- | --- | --- | --- | --- |
| **Identify strong TR & EM** | **3. TRIGGERS TR**  Customers are triggered from the need to standardise the loan process and make their work more customer-friendly.  **Identify strong TR & EM** | **10. YOUR SOLUTION SL**  Our Solution involve using ensemble ML models which can predict the loan eligibility of a person in the form of score that can be used as standard in the banking sector. It will also include an application framework that uses this ML model and some UI/UX to provide the results directly to the customer. | 1. **CHANNELS of BEHAVIOUR CH**     1. **ONLINE**   They also conduct various interviews with the person to see if they are who they claim to be.   * 1. **OFFLINE**   Customers spend time slowly analysing the various details of people inorder to derive the result. | **Identify strong TR & EM** |
| **4. EMOTIONS: BEFORE / AFTER EM**  Customers, from being indecisive, become more confident about the whether or not the person-in-question is able to avail their loan schemes. |

**Identify song TR & EM**