

# APPLIED DATA SCIENCE

## SMART-LENDER APPLICANT CREDIBILITY PREDICTION FOR LOAN APPROVAL

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### PROPOSED SOLUTION

| S.NO | PARAMETER                        | DESCRIPTION   |
|------|----------------------------------|---|
| 1.   | <b>Problem Statement</b>         | A bank is a financial institution licensed to receive deposits and make loans needs a way to verify and trust the customer details and their documents for getting loan because they need an trustable customer with proper assets ,cash flow, documents and background who can repay the loan amount and interest on time. |
| 2.   | <b>Idea/Solution description</b> | <ul style="list-style-type: none"> <li>● The customer only need to enter the details,the loan approval status is then predicted automatically and</li> </ul>  |

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|-----------|---------------------------|--|
|           |                           | <p>quickly.</p> <ul style="list-style-type: none"> <li>● The property documents of the customer need to be submitted and the customer should agree to the terms and conditions of the bank.</li> <li>● The loan approval will also depend on the CIBIL score of the customer.</li> <li>● Provide captcha security</li> <li>● Automatic calculation of interest rate and repayment date based on loan amount.</li> <li>● Varies efficient machine learning algorithms can be used to predict the loan eligibility of the customer.</li> </ul> |
| <b>3.</b> | <b>Novelty/Uniqueness</b> | <ul style="list-style-type: none"> <li>● Provide customer ratings and reviews for understanding the customer.</li> <li>● Adding digital signature of the customer on agreement of the terms and conditions.</li> <li>● Provides data security. The customer details will not be shared to the third party.</li> <li>● Instant Loan approval status.</li> </ul>   |
| <b>4.</b> | <b>Social Impact</b>      | <ul style="list-style-type: none"> <li>● Easy and fast loan approval process for the customer.</li> <li>● Approves Loan to a trustable person.</li> <li>● Bank can find a genuine</li> </ul>   |

|           |                                |   |
|-----------|--------------------------------|---|
|           |                                | <p>person to provide loan.</p> <ul style="list-style-type: none"> <li>● Secure storage of customer details.</li> </ul>  |
| <b>5.</b> | <b>Business Model</b>          | <ul style="list-style-type: none"> <li>● Can generate revenue through advertisement.</li> <li>● Can collaborate with many companies.</li> <li>● Can charge the processing fees and service fees from customer.</li> <li>● Can give pre payment option.</li> <li>● Can generate revenue by referencing.</li> </ul>   |
| <b>6.</b> | <b>Scalability Of Solution</b> | <ul style="list-style-type: none"> <li>● It can be provided as software as a service.</li> <li>● Both borrower and Lender can use this software.</li> <li>● Any type of customer can predict their loan approval without any discrimination.</li> <li>● Can use this software anytime and anywhere.</li> <li>● This system is easily scalable and efficient.</li> <li>● Easy and user friendly software for all.</li> </ul> |