

Project Design Phase-I
Proposed Solution Template

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| Date | 19 September 2022 |
| Team ID | PNT2022TMID31946 |
| Project Name | Project - Smart lender applicant credibility prediction for loan approval |
| Maximum Marks | 2 Marks |

Proposed Solution Template:

| S.No. | Parameter | Description |
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| 1. | Problem Statement (Problem to be solved) | Making loan approval process fully automatic and efficient by creating a smart lender loan prediction application. |
| 2. | Idea / Solution description | We combine datasets from different sources to form a generalized dataset and use four machine learning algorithms such as Random forest, Logistic regression, Decision tree and Naive bayes algorithm on the same dataset . After completing, we deploy the model using Flask Framework. |
| 3. | Novelty / Uniqueness | Performance and accuracy of the algorithms can be calculated and compared and Class imbalance can be dealt with machine learning approaches. |
| 4. | Social Impact / Customer Satisfaction | It can make loan approval fast and easy. So that customers will be satisfied. |
| 5. | Business Model (Revenue Model) | Finance application .Example, BOB World |
| 6. | Scalability of the Solution | This solution will be highly scalable. |