Model Development Phase Template

Date	11 July 2024
Team ID	740023
Project Title	SmartLender - Applicant Credibility Prediction for Loan Approval
Maximum Marks	5 Marks

Feature Selection Report Template

In the forthcoming update, each feature will be accompanied by a brief description. Users will indicate whether it's selected or not, providing reasoning for their decision. This process will streamline decision-making and enhance transparency in feature selection.

Feature	Description	Selected (Yes/No)	Reasoning
Loan_ID	Unique identifier for each loan applicant	No	For predicting the loan, a Loan ID is not required.
Gender	Applicant's gender	Yes	Relevant for assessing diversity and potential bias in loan approval.

Married	Marital status of the applicant	Yes	Marital status can impact financial stability and loan eligibility.
Dependents	Number of dependents	Yes	Indicates financial responsibilities and influences loan capacity.

Self_Employed	Self-employment status	Yes	Self-employed individuals may have different financial profiles.
Applicant Income	Income of the applicant	Yes	It is crucial in determining the applicant's financial capacity.
Co-applicant Income	Income of the co-applicant	Yes	Combined income provides a more accurate picture of financial stability.
Loan Amount	Amount of loan applied	Yes	Fundamental for assessing the financial magnitude of the loan.
Loan Amount Term	Term of the loan (in months)	Yes	The loan term influences monthly repayments and impacts eligibility.

Credit_History	Credit history of the applicant	Yes	A major factor in loan approval is reflecting the applicant's creditworthiness.
Loan_Status	Loan approval outcome	Yes	The target variable for predictive modeling – is essential for the project's goal.