

## Model Development Phase Template

Date	10 July 2024
Team ID	739835
Project Title	Credit card approval prediction using ML
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
Application_ID	Unique identifier for each applicant	No	Not relevant for prediction.
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 affect financial stability and responsibilities.
Savings	amount of money the applicant has savings accounts	Yes	Indicates financial reserves and ability to handle unexpected expenses.

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.
Current Debts	total amount of current debts held by the applicant.	Yes	Indicates the financial burden the applicant is already under.
Debt_to_Income_Ratio	Ratio of total monthly debt payments to gross monthly income	Yes	Indicates the burden of debt relative to income, affecting credit risk.
Credit Score	Credit card approval outcome	Yes	A higher credit score typically suggests a lower risk of default.
Credit_History	Credit history of the applicant	Yes	A major factor in credit card approval is reflecting the applicant's creditworthiness.
Approval_Status	Credit card approval outcome	Yes	The target variable for predictive modeling – essential for the project's goal.