Date	20 September 2022
Team ID	PNT2022TMID00759
Project Name	SMART LENDER – APPLICANT CREDIBILITY PREDICTION FOR LOAN APPROVAL
Maximum Marks	2 Marks

PROPOSED SYSTEM

SMART LENDER – APPLICANT CREDIBILITY PREDICTION FOR LOAN APPROVAL

S.NO	PARAMETER	DESCRIPTION
1.	**Problem statement**	In our banking system, banks have many products to sell but main source of income of any banks is on its credit line. So, they can earn from interest of those loans which they credit. A bank's profit or a loss depends to a large extent on loans i.e., whether the customers are paying back the loan or defaulting. By predicting the loan defaulters, the bank can reduce its Non-Performing Assets. Banks typically process an applicant's loan after screening and verifying the applicants eligibility, which is a difficult and time consuming process.
2.	**Solution Description**	we developed automatic loan prediction using machine learning techniques. We will train the machine with previous dataset. so machine can analyse and understand the process. Then machine will check for eligible applicant and give us result.

		ADVANTAGESOFTHEPROPOSED SYSTEM ✓ Feed- forward back propagation neural network is used to forecast the credit defaults The method in which two or more classifiers are combined together to produce Prediction results ✓ Ensemble model for the better prediction ✓ compromised with noise and outlier data of classification. ✓ Removal of such above data was done.
3.	**Uniqueness**	✓ Time period for loan sanctioning will be reduced. ✓ Whole process will be automated, so human error will be avoided. ✓ Eligible applicant will be sanctioned loan without any delay.
4.	**Social impact**	✓ Easy and fast loan approval process for the customer. ✓ Approves Loan to a trustable person. ✓ Bank can find a genuine customer for loan and hence assure that the mentioned loan amount will be repaid.
5.	**Scalability**	✓ It can be provided as software application. ✓ Both banking sector and Lender can use this software application. ✓ Customer can use this software anytime and anywhere. ✓ This system is easily scalability and efficient. ✓ Easy and user friendly software to all.