

## Ideation Phase Literature Survey

Date	22 October 2022
Team ID	PNT2022TMID18326
Project Name	Smart Lender - Applicant Credibility Prediction for Loan Approval
Maximum Marks	4 Marks

JOURNAL NAME	PROJECT NAME	AUTHORS	TECHNOLOGY USED	Observation	Drawback
International Conference for Emerging Technology (INCET), 2020, pp. 1-4, Doi: 10.1109/INCET49848. 2020.9154100. NSPECAN :19887656 Augest 2020	Loan Default Forecasting using Data Mining	B. Patel, H. Patil, J. Hembram and S. Jaswal	Data Mining and Machine Learning	Shows the comparison of four algorithms. The algorithms used were Gradient Boosting, Logistic Regression, Random Forest and CatBoost Classifier	This project has shown only a slight variation in the accuracy of each algorithm when compared which may lead in choosing the best among them
International Conference on Computing, Communication and Networking Technologies (ICCCNT). DOI : 10.1109/ICCCNT.2017. 8203946. INSPECAN: 17428972 December 2019	Predictive and Probabilistic approach using Logistic Regression	Ashlesha Vaidya	Supervised Machine Learning.	Logistic Regression is the only algorithm used.	They didn't calculate the accuracy of the algorithm.
International Research Journal of Engineering and Technology e-ISSN: 2395-0056 p-ISSN: 2395-0072 Volume: 09 Issue: 04 Apr 2022	Loan Approval Prediction	Shubham Nalawade, Suraj Andhe, Siddhesh Parab, Prof. Amruta Sankhe	Machine learning and Web development	Used different machine learning algorithms and compared with their accuracy	Lack of applicant's database that leads to less prediction

International Conference on Information and Computer Technologies. DOI: 10.1109/ICICT50521.2020.00053 NSPECAN : 19611841 May 2020	AzureML Based Analysis and Prediction Loan Borrowers Creditworth y	K. Alshouli, A. AlGhamdi and D. P. Agrawal	Microsoft Azure machine learning algorithms(Azure ML) such as two class decision jungle and two class decision, Machine Learning	Comparison of two machine learning algorithms was made. The final conclusion reached was only those who have a good credit score, high income will get approved.	They made use of less amount of database which resulted in less prediction of accuracy
TENCON 2019 - 2019 IEEE Region 10 Conference (TENCON). DOI: 10.1109/TENCON.2019.8929527. INSPECAN : 19250221 December 2019.	Application of Machine Learning in Credit Risk Assessment: A Prelude to Smart Banking	S. Z. H. Shoumo, M. I. M. Dhruba, S. Hossain, N. H. Ghani, H. Arif and S. Islam.	Supervised Machine Learning	Logistic Regression, Support Vector Machine, Random Forest and Extreme Gradient Boosting algorithms are used. The accuracy percentage didn't vary a lot between all the algorithms	The more the variance, the less is the fluctuation of scores and the model will not be more precise and stable.