# PROJECT DESIGN PHASE - II
# TECHNOLOGY ARCHITECTURE

| DATE | 28 October 2022 | |
|---|---|---|
| TEAM ID | PNT2022TMID51041 | |
| PROJECT TITLE | Smart Lender - Applicant Credibility Prediction for LoanApproval | |
| TEAM MEMBERS | VIGNESH A | 953619104049 |
| | RATHESH PRAVEEN P | 953619104032 |
| | ULAGESWARAN T | 953619104045 |
| | JAYA RAMA SANKARA MOORTHI J | 953619104301 |

## Smart Lender - Applicant Credibility Prediction for Loan Approval
## TECHNOLOGY ARCHITECTURE

One of the most important factors affecting our country's economy and financial condition is the credit system governed by the banks. The process of bank credit risk evaluation is recognised at banks across the globe. As we know, credit risk evaluation is very crucial. There are a variety of techniques that are used for risk level calculation. In addition, credit risk is one of the main functions of the banking community.

The prediction of credit defaulters is one of the most difficult tasks for any bank.But by forecast in the loan defaulters, the banks may definitely reduce their loss by reducing their non-profit assets, so that recovery of approved loans can take place without any loss and it can play as the contributing parameter of the bank statement. This makes the study of this loan approval prediction important. Machine Learning techniques are extremely important and useful in predicting this type of data.

We will be using classification algorithms such as Decision Tree, Random Forest, KNN, and XG-boost.We will train and test the data with these algorithms.

# TECHNOLOGY ARCHITECTURE