

## Project Design Phase-I

### Solution Architecture

Date	16 October 2022
Team ID	PNT2022TMID20210
Project Name	Smart Lender - Applicant Credibility Prediction for Loan Approval
Maximum Marks	4 Marks

### Solution Architecture:

An efficient Decision Tree or some machine learning algorithm is formulated with Decision Tree Induction Algorithm. It produces a model with the most relevant 6 attributes (Job,age,Income,Education,Marital Status,Existing loan).Attribute with rank-1 is placed as the root node of the Decision tree, other attributes from Rank-2 to Rank-6 constitute the intermediate nodes.

### Solution Architecture Diagram:

