# Project Design Phase-I

## Solution Architecture
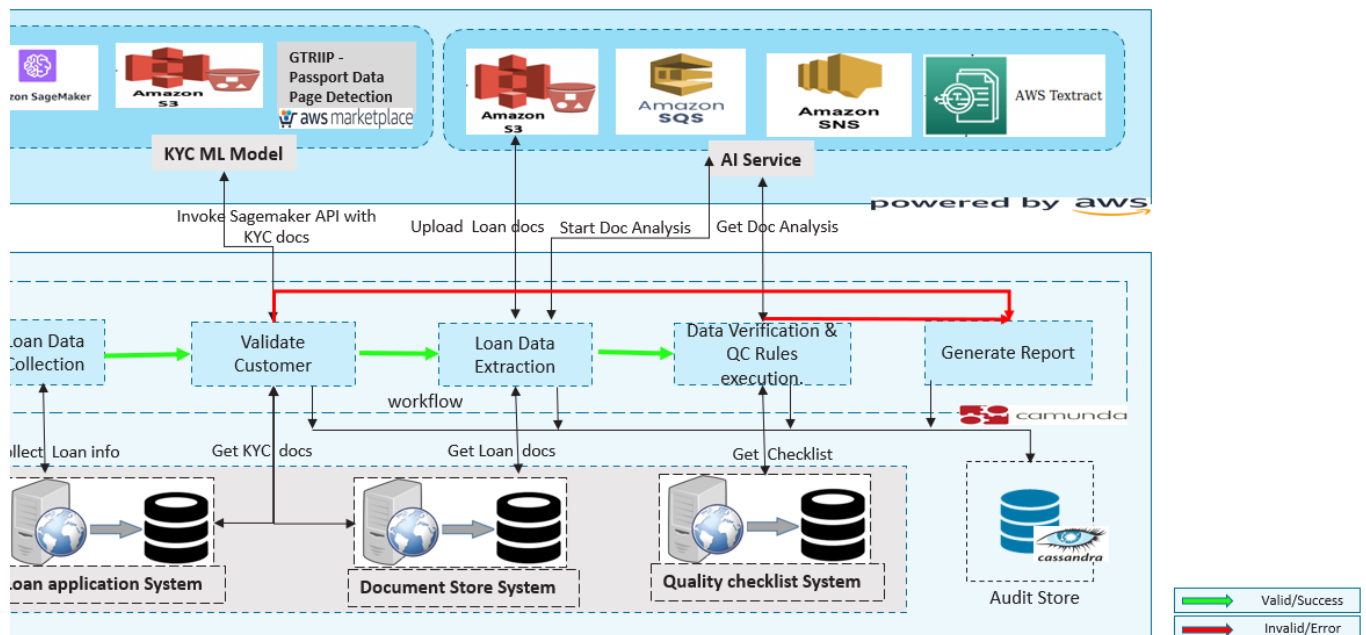
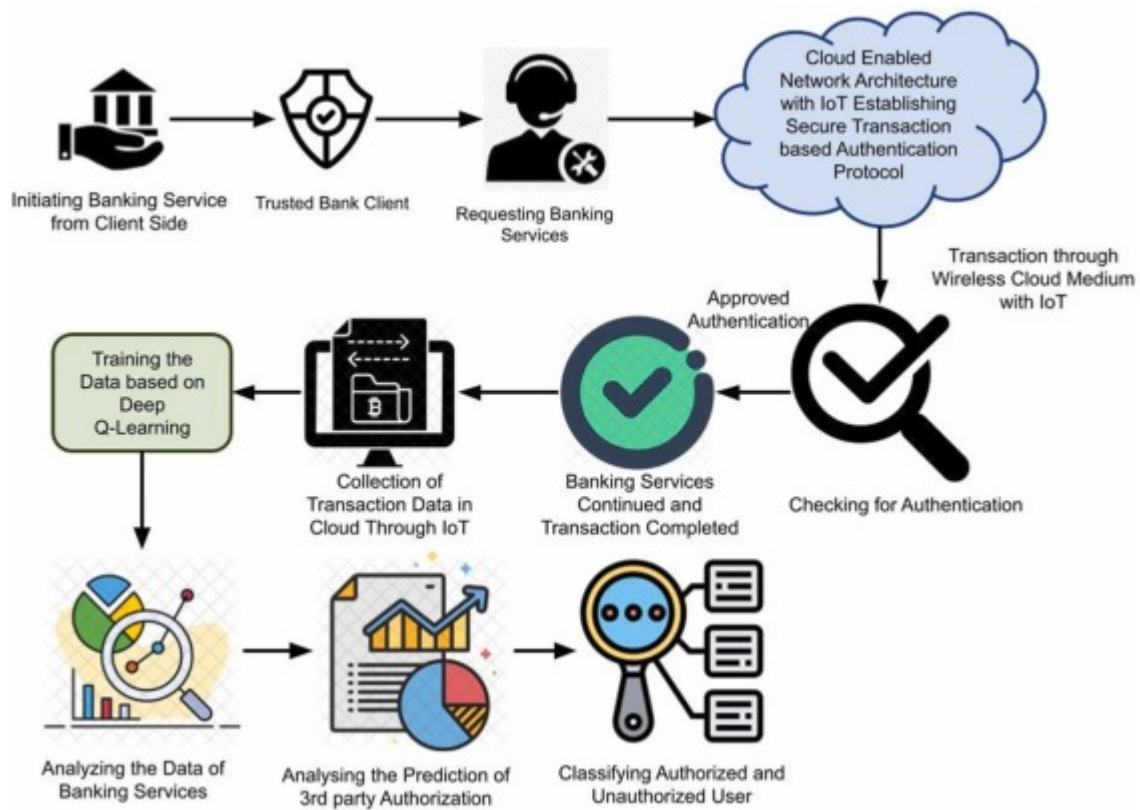| Date | 20 October 2022 |
|---|---|
| Team ID | PNT2022TMID29739 |
| Project Name | Smart Lender - Applicant Credibility Prediction for Loan Approval. |
| Maximum Marks | 4 Marks |

**Solution Architecture:**

Solution architecture is **the process of developing solutions based on predefined processes, guidelines and best practices with the objective**

• The users can get the results in the comfort of their home.

• The system should reduce risk to both the bank and the customer.

• The model can anticipate outcomes and is quickly adaptable to a wide range of inputs. Also, this strategy saves the banking industry and its staff a significant amount of time.

## Architecture Diagram

Initiating Banking Service from Client Side → Trusted Bank Client → Requesting Banking Services → Cloud Enabled Network Architecture with IoT Establishing Secure Transaction based Authentication Protocol

Transaction through Wireless Cloud Medium with IoT

Approved Authentication

Training the Data based on Deep Q-Learning ← Collection of Transaction Data in Cloud Through IoT ← Banking Services Continued and Transaction Completed ← Checking for Authentication

Analyzing the Data of Banking Services → Analysing the Prediction of 3rd party Authorization → Classifying Authorized and Unauthorized User

**an architectural description of a specific solution**