**Name of project: Banking Management System**

**Problem Statement:**

A bank needs to maintain a database of customers who can open account in a bank, take the facility of depositing money, withdraw money, transfer funds, take help like getting loan, investing in mutual funds, getting credit card/debit card facilities. A database should be maintained for customer’s accounts and their transaction history. The bank should maintain a database of its branches, employees, managers, customers and the facilities provided by the bank. Create a database which would serve this purpose.

**Approach**

Designed an ER Model using Toad Data Modeler that enables full functionalities of 5 distinct banking systems.

Created procedures, functions, analysis queries, views, and triggers using MySQL workbench to demonstrate the successful operation of each bank

Database Used: MySQL

**Motivation for the project**

The idea behind this project was to develop an ER Model using Toad Data Modeler by identifying the relationship between different entities and to make use of features of database management system.

**Software’s required**: MySQL WorkBench

**Description in detail**

Following functionalities of the bank are demonstrated:

Fund transfer from one account to another.

Withdraw from an account.

Procedure to deposit amount into an account.

Maintenance of transaction history.

Procedure when a card (Debit/Credit) is swiped.

Procedure to make the payment to the credit card.

Find the transactions of all the customers in a certain time.

Maintain the audit table for any change in the information of customers or employees of the bank.

Other queries.

The ER diagram and other details are mentioned in the document

DBMSProject\_Bank.docx