

# Problem Statement

Manual banking causes long queues and delays.

Customers need 24/7 access to basic banking services.

There is a need for a secure system for withdrawing and depositing money.

Incorrect data handling can lead to errors in transactions.

A computerized ATM system is required for fast and accurate operations.

Security and PIN verification are important to prevent unauthorized access.

## Scope of the Project

Provides basic ATM functions like withdrawal, deposit, and balance inquiry.

Includes user authentication using PIN.

Stores account information and transactions securely.

Simulates real ATM operations in software form.

Offers a simple and user-friendly interface.

Limited to software simulation; no physical ATM hardware.

Supports multiple user accounts depending on implementation.

## Target Users

Bank customers who want quick access to cash.

Students learning software development and banking systems.

Developers testing ATM functions and workflows.

Educational institutions for practical demonstrations.

Bank IT teams for testing or training purpose.

# High-Level Feature

Secure login using PIN.

Withdraw and deposit money.

Check account balance anytime.

Mini statement / transaction history.

Change PIN option.

Error handling for insufficient balance or wrong PIN.

Simple and easy-to-use menu-based interface.