**ABSTRACT**

This project presents the design and implementation of an Automated Teller Machine (ATM) system, aimed at improving the efficiency, security, and user experience of banking transactions. The ATM system allows users to perform a variety of functions such as withdrawing cash, checking account balances, transferring funds between accounts, and printing mini-statements. The system is integrated with a secure authentication mechanism using a Personal Identification Number (PIN) to ensure user identity verification. The project utilizes embedded systems technology and software development to create a robust and reliable ATM interface.

This project demonstrates core programming concepts such as control flow, input validation, loops, random number generation, arrays, and basic decision-making in Java and switch case making it suitable for beginner-level programmers.