

BLOCKSAFE BANKING: ENHANCING FINANCIAL SECURITY THROUGH BLOCKCHAIN THREE STAGE VERIFICATION TECHNOLOGY

Pradeep kumar B, Prasannasabhari V, Rajendran P, Surender E
Department of Computer Science and Engineering
PSNA College of Engineering and Technology Dindigul, Tamil Nadu

Dr.S.Pushpalatha
Professor, Department of Computer Science and Engineering
PSNA College of Engineering and Technology Dindigul, Tamil Nadu

Mrs.P.Joy Kiruba
Assistant Professor, Department of Computer Science and Engineering
PSNA College of Engineering and Technology Dindigul, Tamil Nadu

The project aims to enhance security and efficiency in financial transactions using blockchain technology. It introduces a three-stage verification process for clients and administrators within the application. Clients register and their information is securely stored in the database. Administrators verify and maintain client information. Upon login, clients can view their bank balance, update details, and initiate transactions, including fund transfers via UPI ID. The UPI ID is validated against the database, and an OTP is sent to the client's email for confirmation. If OTP retrieval via email fails, clients can use their credentials to receive the OTP. Upon confirmation, transactions are processed, updating respective bank balances. Administrators oversee client management. This project revolutionizes security and transactional integrity in banking and exchanges through blockchain technology.