ABSTRACT

The project entitled "ATM PIN RECOVERY USING FINGERPRINT" is developed as windows application with MY-SQL Server as back end.ATM (Automated Teller Machine) is an electronic telecommunication device that is used to perform financial transaction without need for human clerk or bank teller. ATMs extend traditional banking hours by dispensing cash and making other transaction available 24 hours a day. In ATM machines, the user is identified by inserting an ATM card and the customer entering a PIN provides authentication.The PIN provided to the customer is compared with recorded reference PIN number in the bank server. In the existing system, the user has to insert the card and the PIN number. If the PIN is correct, the system allows for the transaction. Otherwise, the system asks for the PIN again and it allows maximum of three times to enter it. After 3 trials the ATM card will get blocked. To reactivate the card user need to visit the bank and do the bank formalities, which is tedious and time-consuming job.Biometrics is the science of establishing the identity of an individual based on physical, chemical or behavioral attributes of a person.Fingerprint is a pattern of ridges and valleys on the surface of a fingertip. It often used for biometric identification. Fingerprints are detailed, nearly unique, difficult to alter and durable over the life of an individual. To reactivate that ATM card in the ATM center itself we are using fingerprint biometric.

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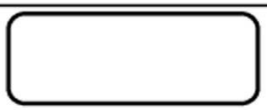
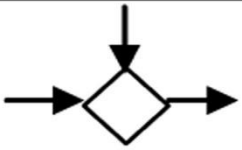
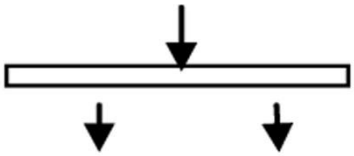
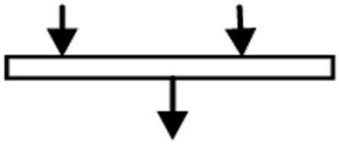
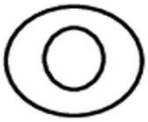
LIST OF FIGURES

LIST OF SYMBOLS

Names	Symbols used	Description
Start		It is start symbol which represents start of the activity
Action node		Action node is used to represents the every action
Arrow		Arrow symbol is used to show the activity moving from one action to another
Decision node		Decision node contains one incoming and multiple outing nodes
Merge node		Merge node contains multiple incoming nodes and one outgoing node
Fork		Fork node is used to split the activity into multiple parts
Join		Join node is used to join the multiple activities
Final node		Final node indicates the end point of the activities

LIST OF ABBREVIATIONS

ATM	-	Automated Teller Machine
JVM	-	Java Virtual Machine
OOP	-	Object Oriented Programming
TCP	-	Transmission Control Protocol
DBA	-	Database Administrator
IP	-	Internet Protocol
DPO	-	Data Processing Officer
RMI	-	Remote Method Invocation
AWT	-	Abstract Window Toolkit