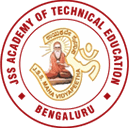
**JSS Mahavidyapeetha**

**JSS Academy of Technical Education**

**Kengeri - Uttarahalli Main Road, Bangalore-560060**



**DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING**

**ASSIGNMENT PROJECT SYNOPSIS**

**COURSE NAME: PYTHON APPLICATION PROGRAMMING**

**COURSE CODE: 17CS664**

**TOPIC: SUSPESION DETECTION AND REPORTING BOT**

**UNDER THE GUIDENCE OF:**

**Dr NAVEEN NC**

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**Marks Scored: Semester / Branch: 6th ‘A’ sec**

**Signature of the Staff:**

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**OVERVIEW**

The ATM System is the project which is used to access their bank accounts to make cash withdrawals and deposits. Whenever the user needs to make cash withdraws, they can enter their PIN number (personal identification number) and it will display the amount to be withdrawn and deposit. Once their withdrawn was successful, the amount will be debited in their account and if deposit is complete, amount will be credited to the account.

The ATM System is developed in Python and a CSV file (Comma-separated values) using file read write. Python is relatively simple, so it is easy to learn since it requires a unique syntax that focuses on readability. Developers can read and translate Python code much easier than other languages. In turn, this reduces the cost of program maintenance and development because it allows teams to work collaboratively without significant language and experience barriers. Hence, we use this software in our project.

The ATM will service one customer at a time. A customer will be required to enter ATM Card number, personal identification number (PIN) – both of which will be sent to the database for validation as part of each transaction. The customer will then be able to perform one or more transactions. Also, customer must be able to make a balance inquiry of any account linked to the card.

If a transaction fails for any reason other than an invalid PIN, the ATM will display an explanation of the problem, and will then ask the customer whether he/she wants to do another transaction.

Millions of times per day around the globe people are instantly withdrawing money at automatic teller machines (ATMs). Given the fast pace of the world today, it is not surprising that the demand for access to quick cash is so immense. The power of ATMs would not be possible without secure connections. The final act of ATM dispending cash is the result of an amazingly fast burst of the customer never sees, but a trust is being done in a confidential manner.

**BACKGROUND WORK**

**ARCHITECTURE**

ATM Functionalities(Using Basic Concepts of Python):

1. Account Handling

2. Activation\De-Activation Of Accounts

3. Admin Control

4. File Handling(using csv file)

5. Account Number Auto-Generation

6. Pin Auto-Generation

7. Simple Encryption\Decryption

8. Date And Time Implication

9. Exceptional Handling

10. Email Notifier Using SMTP Library

11. Amount Transfer

12. Made Applicable For Any Version Of Python