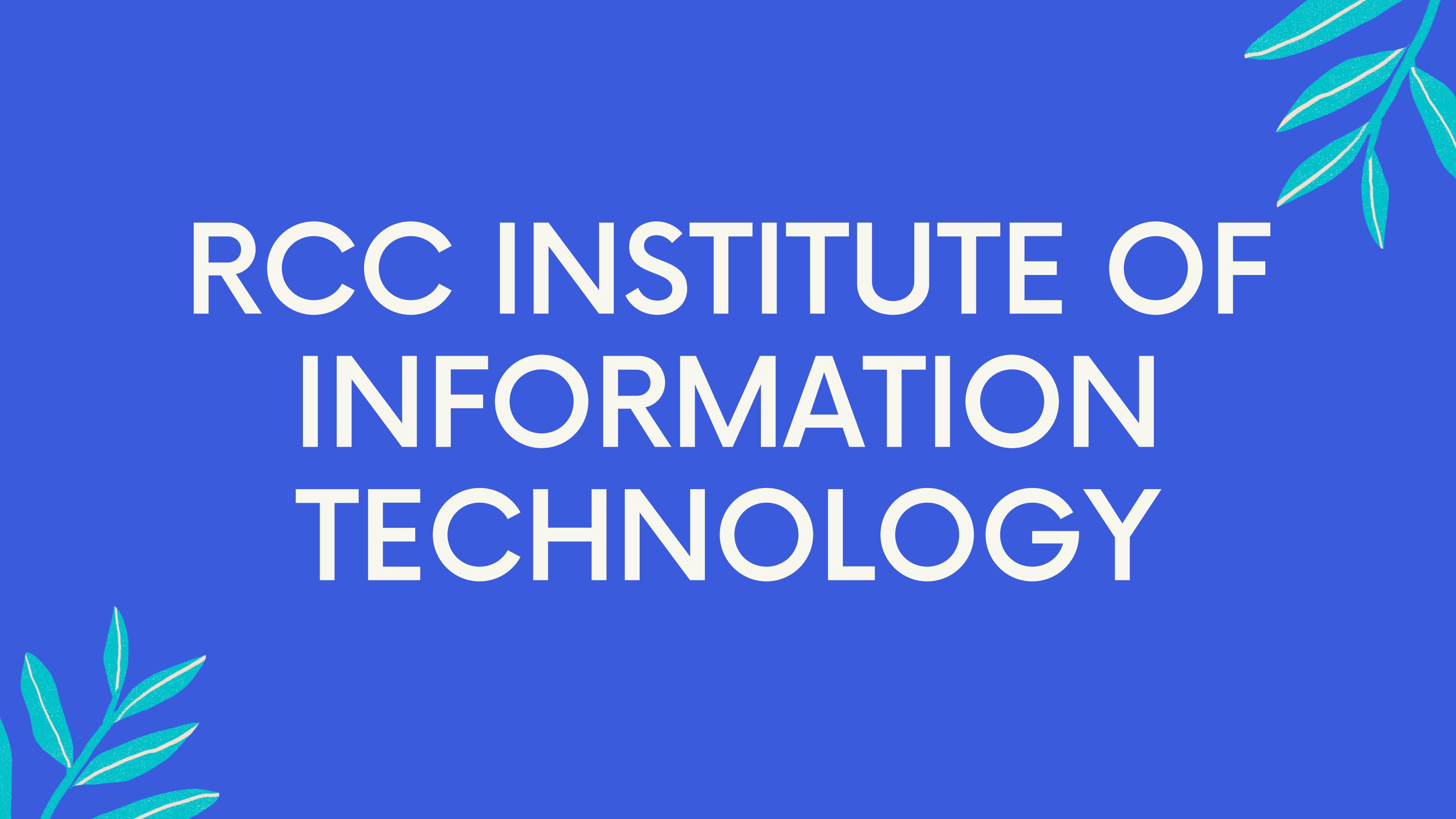


# RCC INSTITUTE OF INFORMATION TECHNOLOGY



# A PROJECT PRESENTATION ON DIGITAL VOTING SYSTEM

**DEVELOPED  
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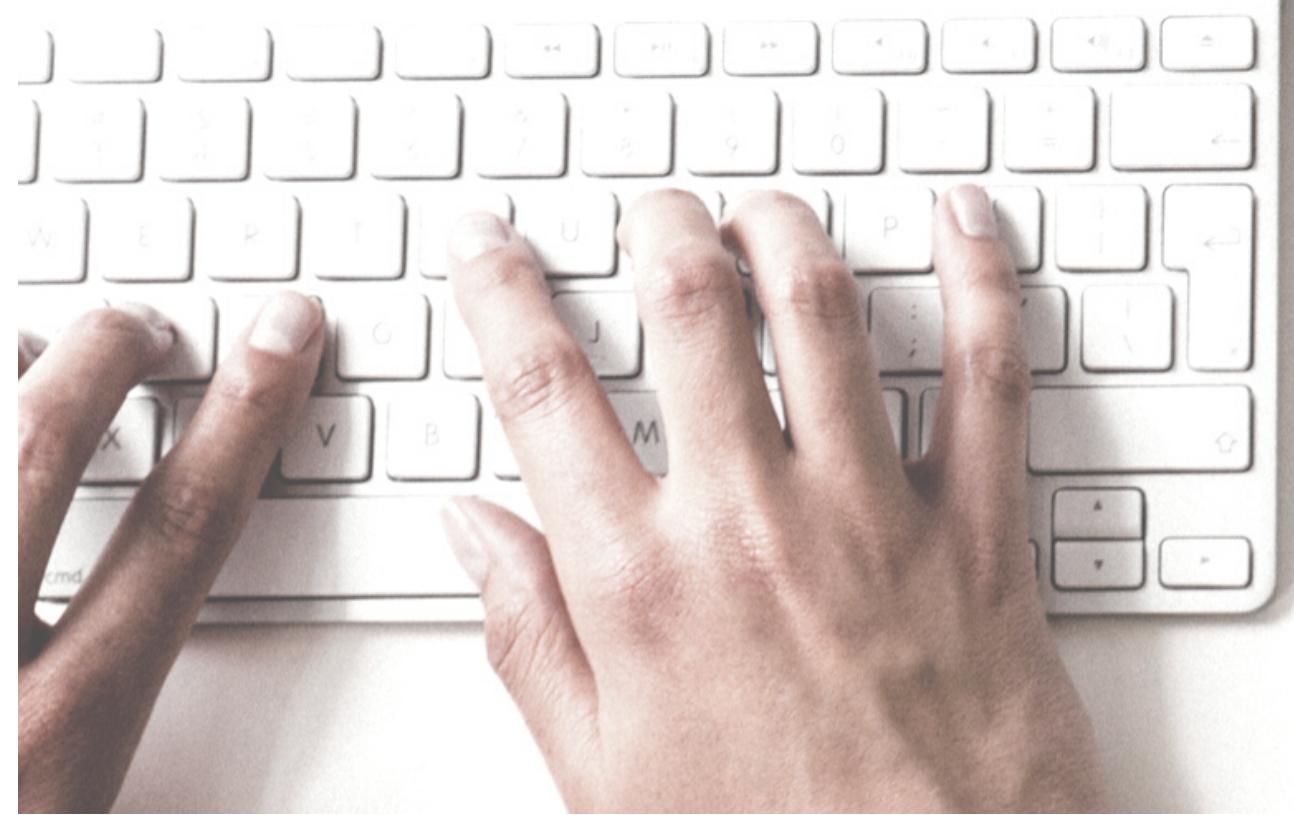
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# “ DECLARATION

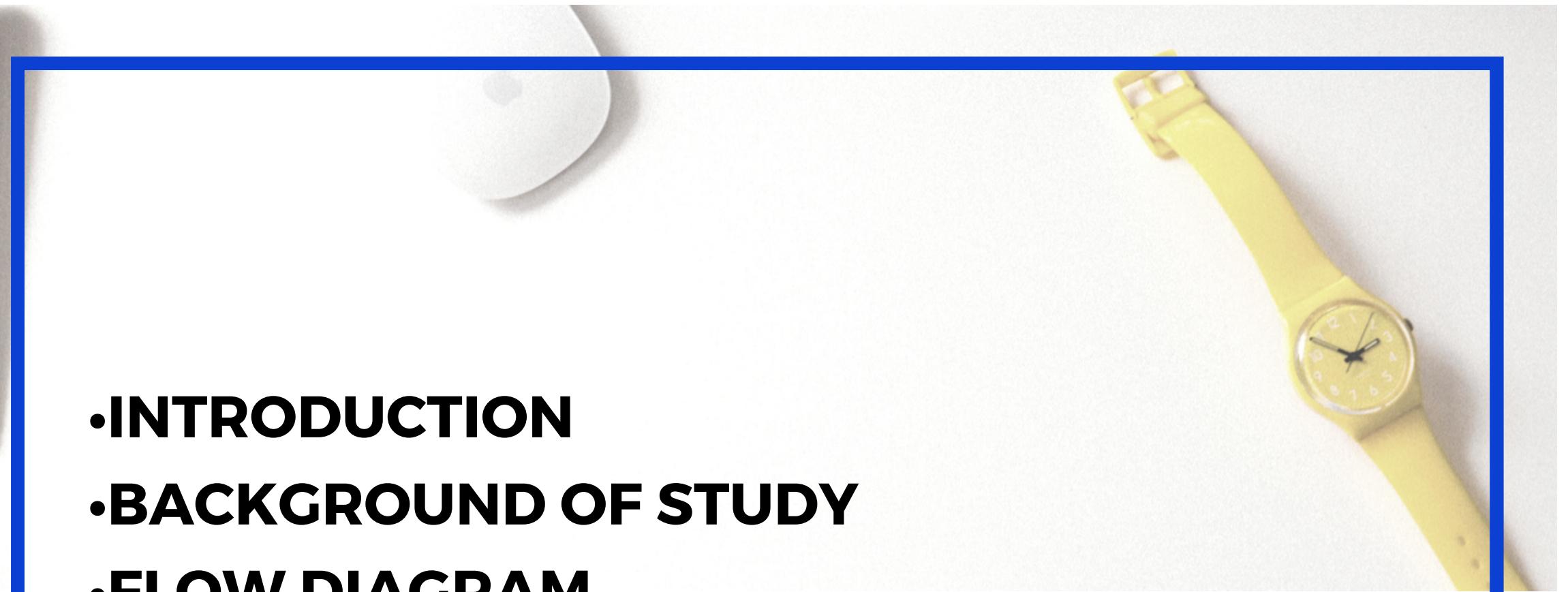
This is to certify that the work being presented in the project entitled “DIGITAL VOTING SYSTEM” submitted by the undersigned student of Fourth Year in partial fulfillment for the degree of Bachelor of Technology {Electronics and Communication Engineering} is a record carried out by PRITAM DAS, SATYAM KUMAR, PRITHIJEET SAHA and GOURAB SARKAR under guidance and supervision of Prof. SRIJIBENDU BAGCHI of the Department of ECE and that this work has not submitted elsewhere for the award of any other degree.

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# CONTENTS

- INTRODUCTION
- BACKGROUND OF STUDY
- FLOW DIAGRAM
- WORKING PRINCIPLE
- ER DIAGRAM
- SNAPSHOTS
- SIGNIFICANCE OF STUDY
- PROBLEMS WITH EXISTING VOTING SYSTEM
- FUTURE ENHANCEMENTS
- CONCLUSION



# INTRODUCTION

- “**DIGITAL VOTING SYSTEM**” is an online voting technique through an application. In this system, people who are citizens and whose age is above 18 years of age and of any sex can give his\her vote online without going to any physical polling station.
- In “**DIGITAL VOTING SYSTEM**” a voter can use his\her voting right online without any difficulty. He\She has to be registered first for him/her to vote manually. Registration is mainly done by the system administrator for security reasons.
- After registration, the voter is assigned a secret Login ID and password with which he/she can use to log into the system and enjoy services provided by the system such as voting. If invalid/wrong details are submitted, then the citizen is not registered to vote.

# BACKGROUND OF STUDY

- Digital Voting is an online way of choosing leaders via an application. The advantage of digital voting over the common “queue method” is that the voters have the choice of voting in their own free time and there is reduced congestion. It also minimizes errors of vote counting. The individual votes are submitted in a database that can be queried to find out who of the aspirants for a given post has the highest number of votes.
- This system is geared towards increasing the voting percentage in India since it has been noted that with the old voting method {the Queue System}, the voter turnout has been a wanting case. With the system in place also, if high security is applied, cases of false votes shall be reduced.

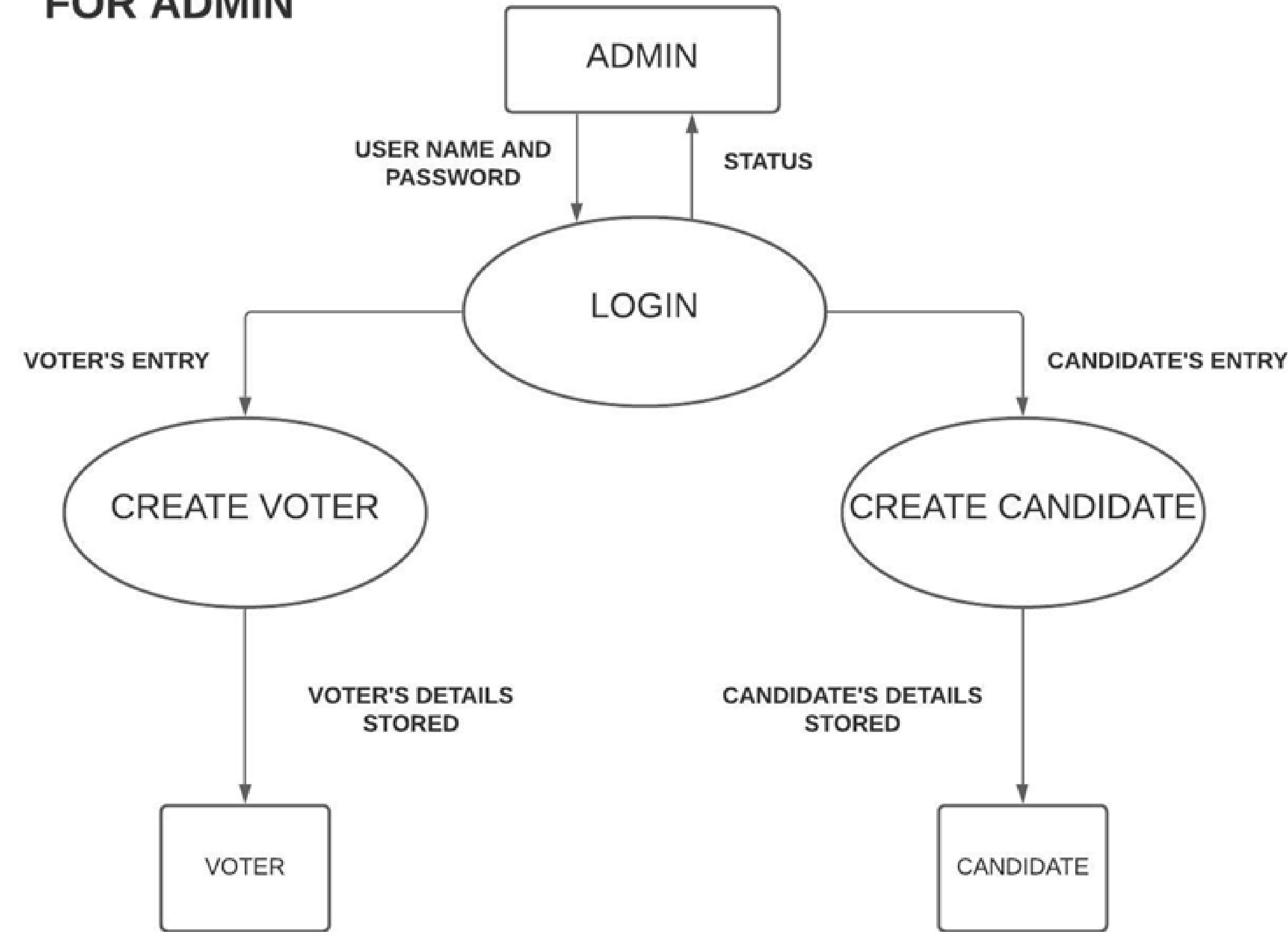
- With the “DIGITAL VOTING SYSTEM”, a voter can use his\her voting right online through an application without any difficulty. He\She has to register as a voter first before being authorized to vote. The registration should be done prior to the voting date to enable data update in the database.
- However, not just anybody can vote. For one to participate in the elections, he/she must have the requirements. For instance, he/she must be a registered citizen i.e. must be 18 and above years old. As already stated, the project ‘Digital Voting’ provides means for fast and convenient voting, and access to this system is limited only to registered voters.
- Digital Voting Systems are appealing for several reasons which include; People are getting more used to work with computers and mobiles to do all sorts of things, namely sensitive operations such as shopping and home banking and they allow people to vote far from where they usually live, helping to reduce absenteeism rate.

# FLOW DIAGRAMS

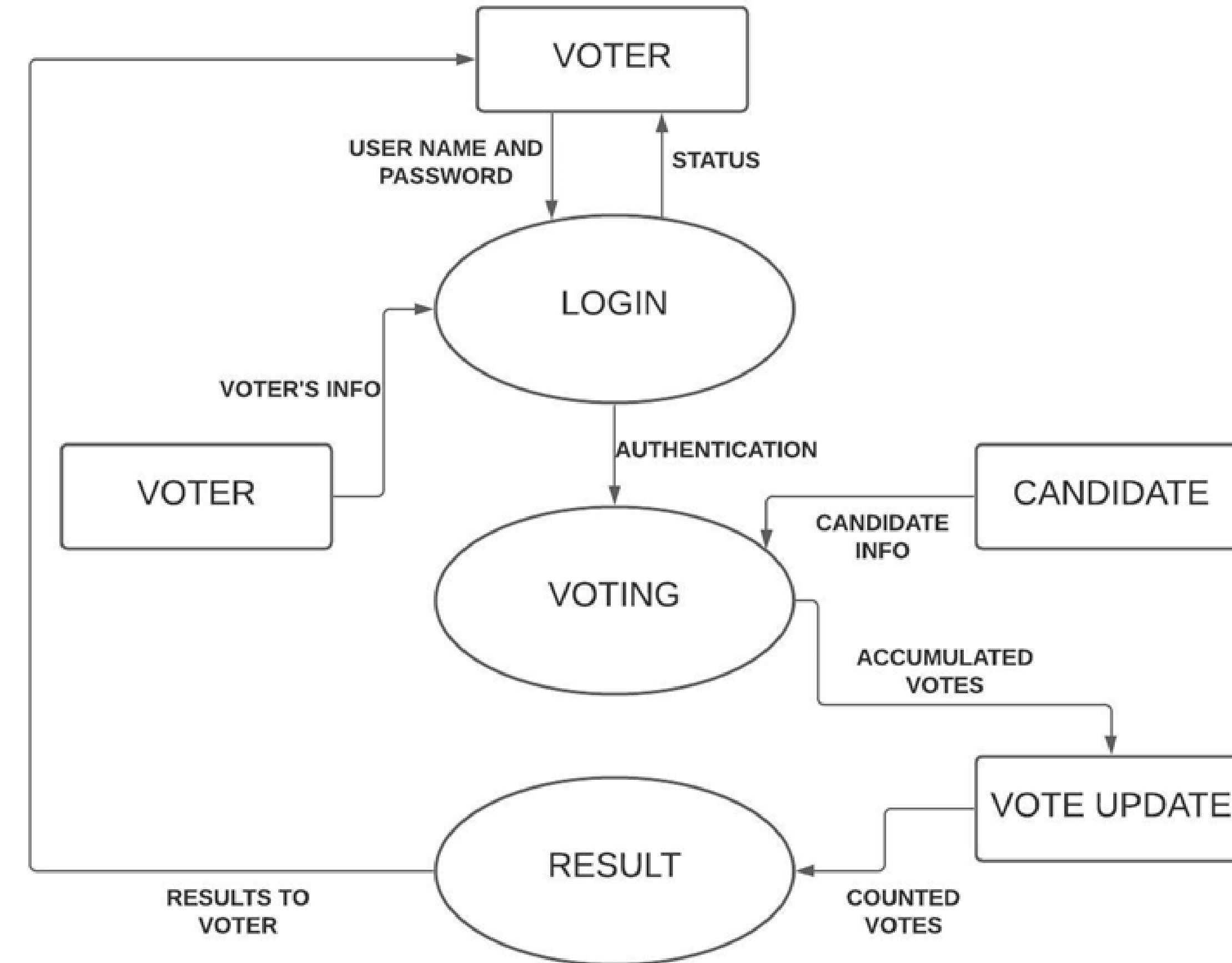
## CONTEXT DIAGRAM



## FOR ADMIN



## FOR VOTER

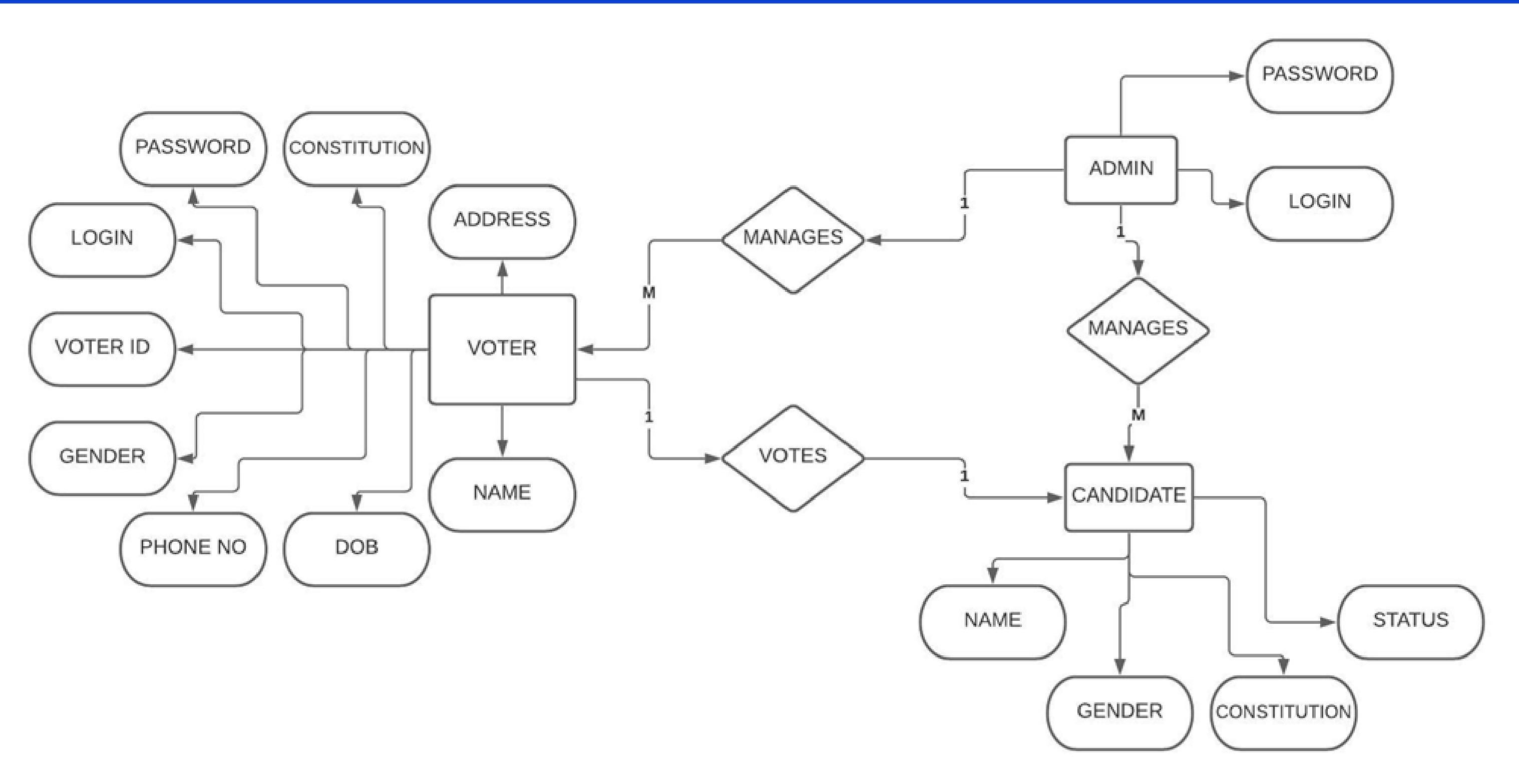


# WORKING PRINCIPLE

The working principle of this Digital Voting System is very simple and straightforward. The voter will be using a digital application as a medium and give their vote without any difficulties. For the first time, the voter has to be registered to vote manually. After that, all collected data send to the election authority which is maintained by them. Then voter system administrator making a voting database using those collected data. This has to be done by the admin for security reasons. After all the registration process has been done, every registered voter candidate will get a login id and a password to their registered mobile number via a message.

After all the registration process has been done, every registered voter candidate will get a login id and a password to their registered mobile number via a message. After done with voter candidates registration the admin makes registration of all the candidates who are going to stand for the election. Now when the election comes, the voter needs to log in with the login id and password provided to them before a message. After a successful login before choosing the candidate, the voter has to do an authentication about their voter id through OTP verification. After that, the voter also has to make a confirmation about their data that registered with the database. Then in the candidate section, the voter has to choose a particular candidate to whom they are going to vote. Then again this data will be stored in the database. Now when the results come the voter can see it by login into the application with their id and password and gets visualized the results.

# ER DIAGRAM



# SNAPSHOTS

Election Commission of India

Login

Username

Password

**LOGIN**

Verify Your Voter ID

Voter ID

Registered Phone Number

**CONTINUE**

OR

Click on the Scan Button bellow To Scan the Qr code

↓

**SCAN**

Election Commision of India

**Candidates**

 Candidate 1

 Candidate 2

 Candidate 3

 Candidate 4

 Candidate 5

 Candidate 6

 NOTA

**VOTE**

**The main purposes of DVS include:**

- **Provision of improved voting services to the voters through fast, timely, and convenient voting.**
- **Reduction of the costs incurred by the Electoral Authority during voting time in paying the very many clerks employed for the sake of the success of the manual system.**
- **Check to ensure that the members who are registered are the only ones to vote. Cases of “Dead People” voting are also minimized.**
- **Digital voting system (DVS) will require being very precise or cost cutting to produce an effective election management system.**
- **Increased number of voters as individual will find it easier and more convenient to vote, especially those abroad.**

## **SIGNIFICANCE OF STUDY**

# PROBLEMS WITH THE EXISTING VOTER REGISTRATION SYSTEM WHICH CAN BE IMPROVED BY DIGITAL VOTING SYSTEM

- Expensive and Time-consuming
- Too much paperwork
- Errors during data entry
- Loss of registration forms
- Short time provided to view the voter register

# FUTURE ENHANCEMENTS

**The Digital Voting System(DVS) platform can be made more secure by using the following methods**

**Cornea Detection**

**Password Changing**

**Fingerprinting**

- This Digital Voting System will manage the Voter's information by which the voter can login and use his voting rights. The system will incorporate all features of Voting system. It provides the tools for maintaining voter's vote to every party and it count total no. of votes of every party. There is a DATABASE which is maintained by the ELECTION AUTHORITY in which all the names of voter with complete information is stored.
- In this user who is above 18 year's register his/her information on the database and when he/she want to vote he/she has to login by his id and password and can vote to any party only single time. Voting detail store in database and the result is displayed by calculation. By digital voting system percentage of voting is increases. It decreases the cost and time of voting process. It is very easy to use and it is very less time consuming. It is very easy to debug.

# CONCLUSION