



# AISSMS

COLLEGE OF ENGINEERING

ज्ञानम् सकलजनहिताय

Approved by AICTE, New Delhi, Recognized by Govt. of Maharashtra,  
Affiliated to Savitribai Phule Pune University and recognized 2(f) and 12(B) by UGC  
(Id.No. PU / PN/ Engg. / 093 (1992)  
(Accredited by NAAC with grade A+)



# Laboratory Practical - 3

## BT Mini Project Report

5<sup>th</sup> November 2022

### GROUP MEMBERS

Pratik Pingale                      19CO056

### AIM

Blockchain-based e-voting dApp.

### PROBLEM STATEMENT

Develop a Blockchain based application dApp (decentralized app) for an e-voting system.

### REQUIREMENT

MongoDB - Database

Express - Server Framework

NodeJs - Server Environment

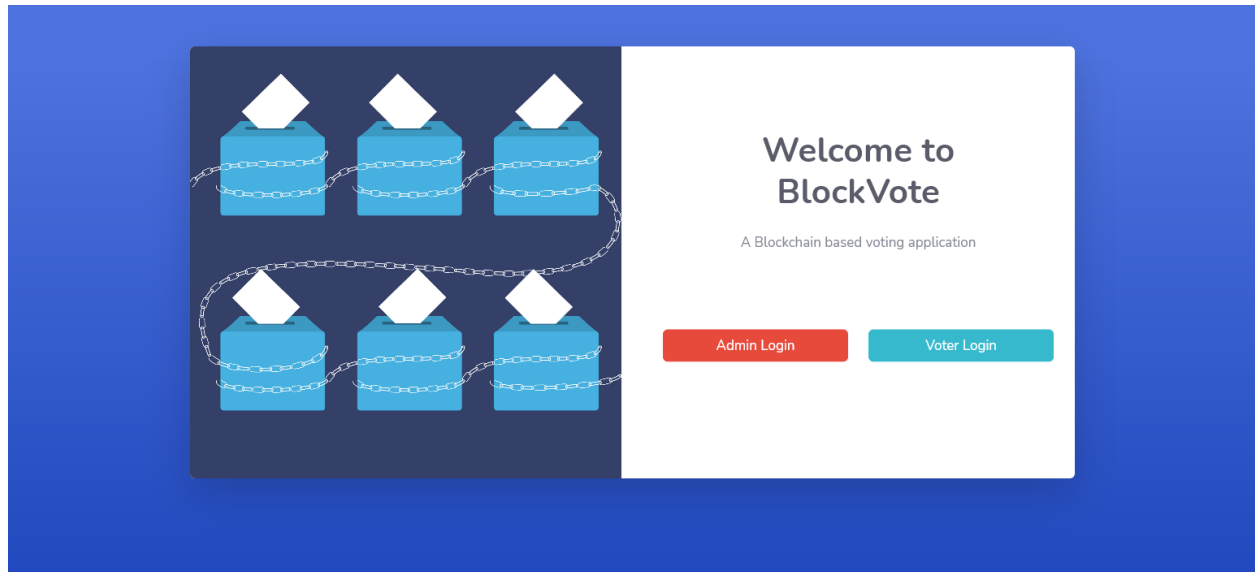
Solidity - Used to develop Smart contracts

Truffle - Development environment, a testing framework for blockchains

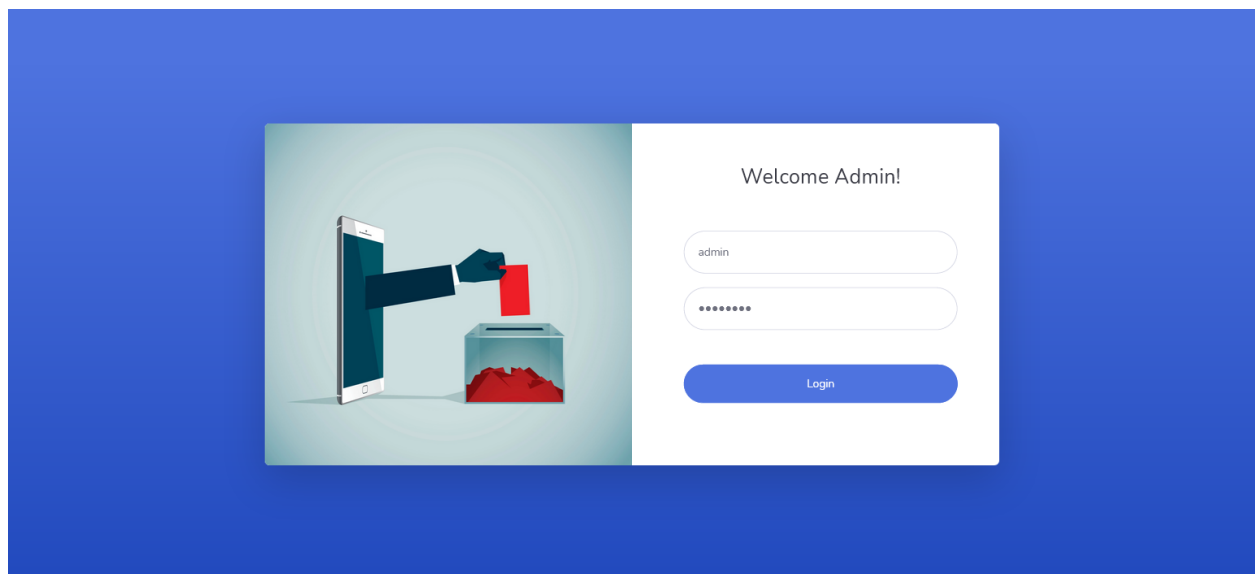
Ganache - Personal blockchain for rapid Ethereum-distributed application development

Web3JS - Library that allows you to interact with a local or remote Ethereum node.


## HOME PAGE



## ADMIN: LOGIN PAGE



## ADMIN: DASHBOARD

 BLOCKVOTE

Dashboard

VOTING PROCESS

View Candidates

+ Add Candidate


Results

SETTINGS

Logout

<

admin



Dashboard

Election stage has been updated successfully

✓

Candidate Registration Phase

✓

Voting Phase


Next Stage

●

Result Phase


CANDIDATES

2




VOTERS

6



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## ADMIN: ADD CANDIDATE

 BLOCKVOTE

Dashboard

VOTING PROCESS

View Candidates

+ Add Candidate


Results

SETTINGS

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admin



Add Candidate

Fill the form to add candidate

Candidate Name

Enter Candidate Name

Party Name

Enter Party Name


Party Slogan

Enter Party Slogan

Add Candidate

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## ADMIN: VIEW CANDIDATES

 BLOCKVOTE

Dashboard

VOTING PROCESS

**View Candidates**


+ Add Candidate

Results

SETTINGS


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admin 

Candidates


Bhartiya Janatha Party



Narendra Modi

Good days are coming

Indian Congress Party




Rahul Gandhi

Making India better day by day

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## ADMIN: ADD CANDIDATE ERROR

 BLOCKVOTE

Dashboard

VOTING PROCESS

View Candidates


**+ Add Candidate**

Results


SETTINGS

Logout

<

admin 

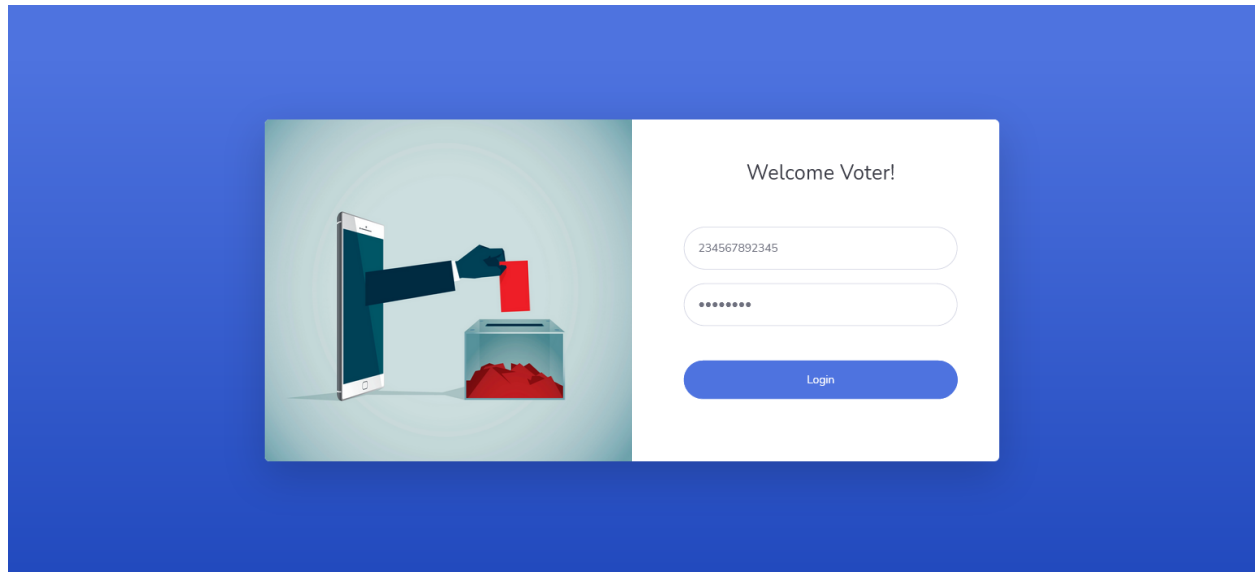
Add Candidate



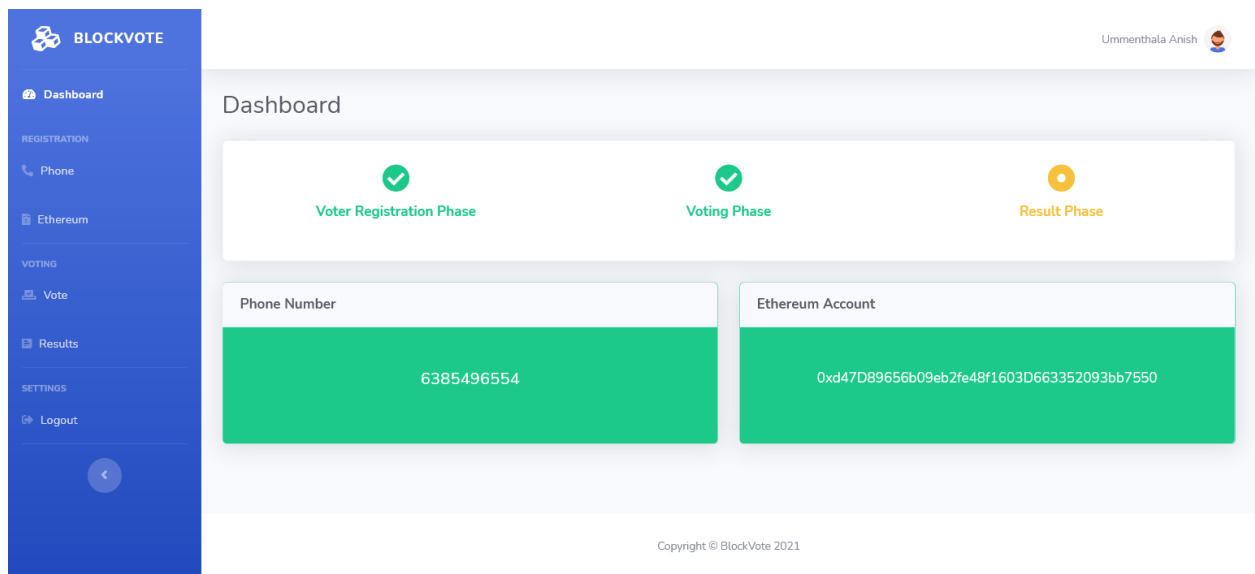
Not in Candidate Registration Phase

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## VOTER: LOGIN PAGE



## VOTER: DASHBOARD



## VOTER: PHONE NUMBER REGISTRATION

 BLOCKVOTE

Dashboard

REGISTRATION

**Phone**

Ethereum

VOTING


Vote

Results

SETTINGS

Logout

<

Ummenthala Anish 

Register Phone

Add your phone number for OTP verification


Phone Number

6385496554

Add Phone number

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## VOTER: ETHEREUM ACCOUNT REGISTRATION

 BLOCKVOTE

Dashboard

REGISTRATION

Phone

**Ethereum**

VOTING


Vote

Results

SETTINGS

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<

Ummenthala Anish 

Register Ethereum

Add your Ethereum account

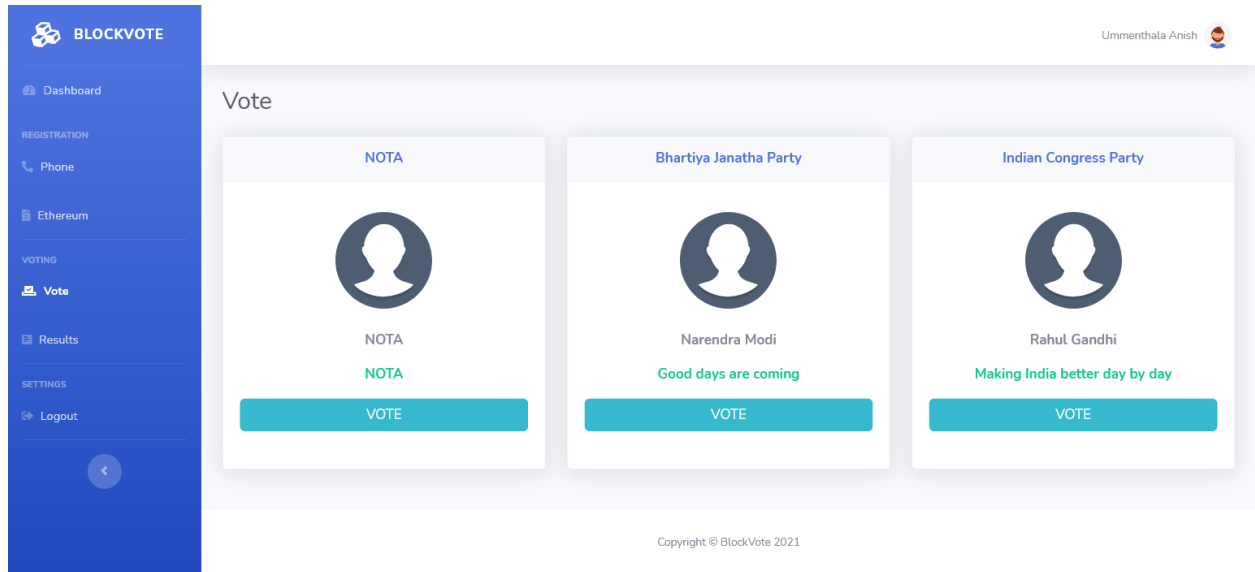
Ethereum account

0xd47D89656b09eb2fe48f1603D663352093bb7550

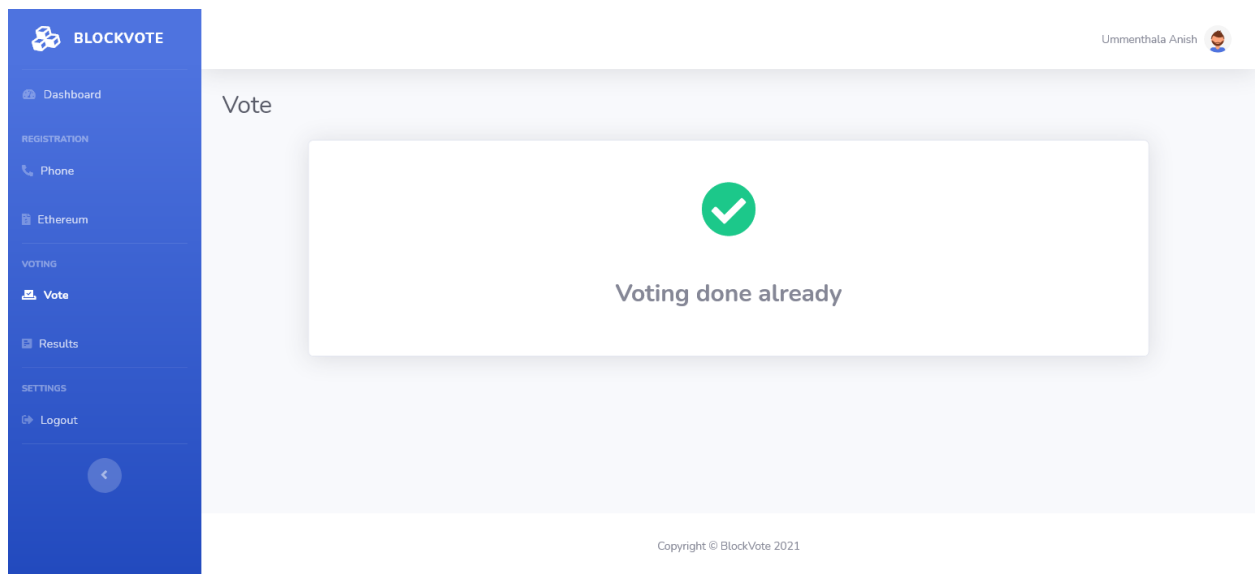
Add Account

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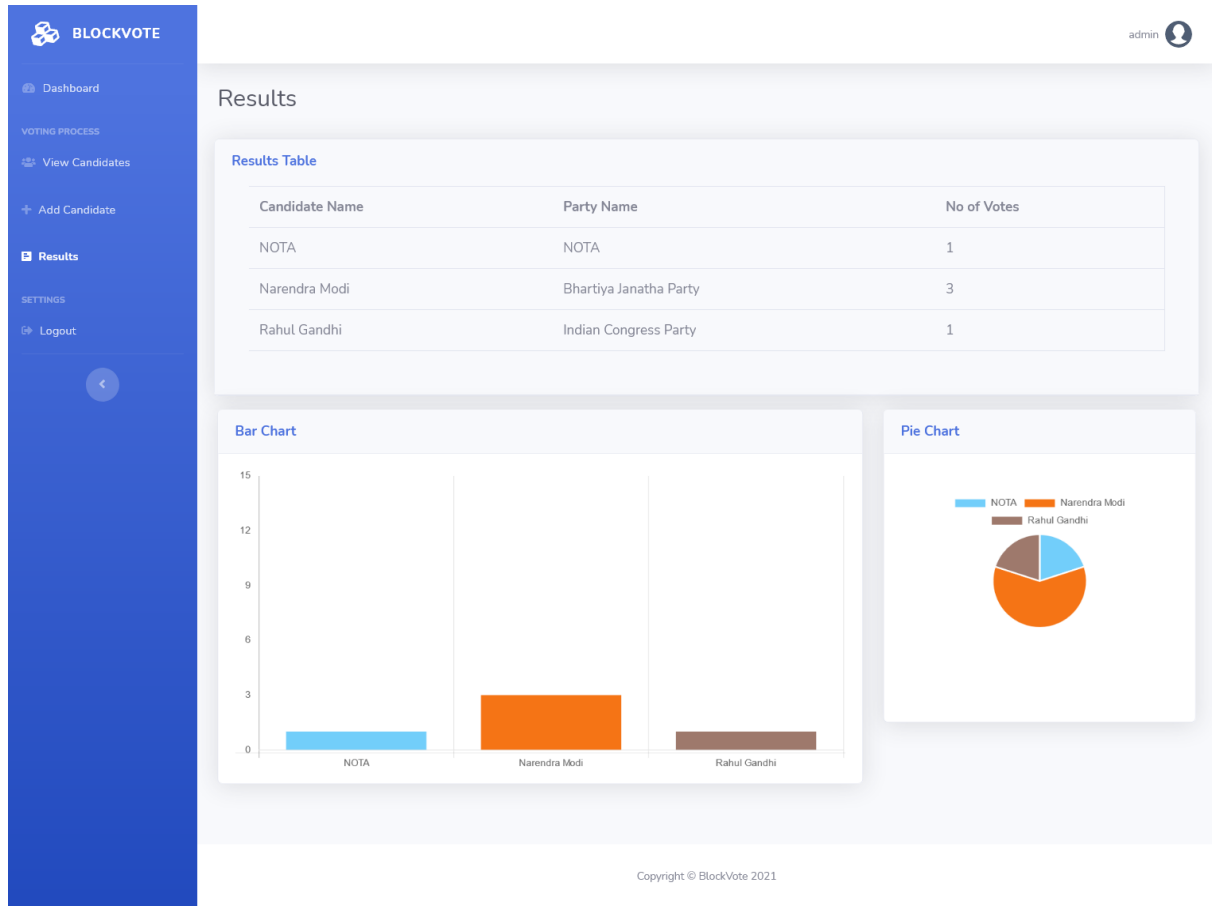
## VOTER: VOTING



## VOTER: VOTING ERROR PAGE



## VIEW RESULTS



## RESULTS ERROR

