# *Online Voting System*

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***ABSTRACT:*** Still since quite a long time going to the polling booth and standing in long queues to cast vote has been persistent and it is challenging for the Government to motivate the public to participate in the election system and cast their vote, as there is no such online voting system available in our country So we are trying to make such a system so that a voter can cast their vote from anywhere and there will be no need of waiting in queues for hours and the percentage of voting will also increase at the same time.

***Key words: Online voting system, Web technology, MySql***

## I. INTRODUCTION

We will be designing an Online Election System that will have Candidate registration, document verification and auto-generated User ID. Admin Login which will be handled by Election Commission .Candidate Login which will be handled By Candidate, Voters will get Unique ID and Password, Using which they can vote for a Candidate only once per Election. The project is beneficial for Election Commission Voters as they can get to know the candidate background and choose wisely, and even for the Candidate. The software system allows the Candidate to login in to their profiles and upload all their details including their previous milestone onto the system. The admin can check each Candidate details and verify the documents, only after verifying Candidate's ID and Password will be generated, and can remove faulty accounts. The software system allows Voters to view a list of Candidates in their area. The admin has overall rights over the system and can moderate and delete any details not pertaining to Election Rules.

### Online voting System

Online voting systems are software platforms used to securely conduct votes and elections. As a digital platform, they eliminate the need to cast your votes using paper or having to gather in person. They also protect the integrity of your vote by preventing voters from being able to vote multiple times. Many secure voting platform vendors provide supportive vote management consulting services that help organizations design and implement their voting procedures. These services help organizations save time, stick to best practices, and meet internal requirements and/or external regulations, such as third-party vote administration needs.

## II. PROBLEM STATEMENT

Our problem statement is to design a website that will serve as a good online voting system in which each and everyone casts their vote easily with no worry. It will make the election fair and also the result will come with transparency.

### A. OBJECTIVES

- The objective of the Online **voting system** is to help the organization in automating the whole manual processing of the existing system.
- The main objective to develop the system is to make accurate & efficient decisions in different tasks at different times at different situations. The existing system is manual so members of the unit generally face a lot of embarrassing situations many times. Now they need to automate the whole process so as to make it more easy and accurate.
- System should support a multi-user environment.
- System should be fully automated.
- System should provide concrete security features like creating users and assigning privileges to users of the system.
- System should be capable of keeping track of all the detailed descriptions of the client and the whole details of services offered by the client organization.
- Various outputs (reports) should be available online any time.
- System should be able to handle extremely large volumes of data (i.e. Large database support)
- To declare the result after the election.

## Scope:-

1. **Advanced technology**- It is an advanced technology used nowadays. It increases the E knowledge of the users which is very necessary for current generation.
2. **Internet:** It is an online facility and hence very useful for the users.Voters can vote from anywhere at any time in India

## Project Requirements

- **Hardware Requirements (Processor *RAM Disk Space)***
  - ➔ Pentium II, Pentium III, Pentium IV, Higher 128 Mb or Higher 130 Mb
- **Software Requirements (Operating *System Database)***
  - ➔ Win-98, Win-XP, Linux, My SQL

## User Characteristics

Every user should be:

- Comfortable with an Internet Browser.
- He must have brief knowledge of the voting system.
- He must also have basic knowledge of English too.

### III. METHODOLOGY

This will structure of our website

FUNCTIONAL REQUIREMENTS

- ➔ ADMIN registration
- ➔ ADMIN login
- ➔ CANDIDATE registration
- ➔ CANDIDATE login
- ➔ VOTER registartion
- ➔ VOTER login
- ➔ Reset password

System Dependability

- ➔ Internet permission

System design::

There will be three users

1.Admin:

Login: Admin need to login using their valid login credentials in order to access the system
a. Manage Constituencies: The constituencies are manageable by the admins.
b. View Voters: All the registered voters of the constituency will be displayed with their details.
c. View Candidates: All the registered candidates of the constituency will be displayed with their details.
d. Profile: Can view their own profile with details.

2.Candidate:

Login: Candidates need to login using their valid login credentials in order to access the system.
a. View Users: All the registered voters list will be displayed with their details.
b. Profile: Can view their own profile with details.

3.Voter:

Login: Voter can login using valid login credentials in order to access the Website.
a. Profile: Can view their own profile with details.
b. View Candidates: View the details of the candidates of their constituency.
c. VOTE: Voters can vote for a candidate of his/her interest in the constituency.

## IV. ADVANTAGES

With this project, we will have following advantages

- Fast and easy service.
- The online voting system provides less time consuming .
- It reduces the paper work and makes the work less tedious for ELECTION COMMISION.
- It is a better way for voting.
- By this voting percentage will increase drastically.Voter has no need to go to any polling booth,so it is easy to use. And more voting is more good for democracy.
- **Electronic voting maximizes participation**
    - **Easy and efficient —** takes only a minute or two to vote
    - **Convenient —** people can vote online when it suits them - there's no ballot to mail or meeting to attend
    - **Higher response rates —** email reminders and online convenience boost participation for busy owners
- **Voting online saves money**
    - **No supply costs —** no paper ballots, no postage and no printing
    - **No equipment —** 100% hosted and electronic
    - **Automated —** no time or resources needed for manual hand counts
    - **Cost-effective —** conduct multiple votes annually
- **Voting online saves time and eases vote management**
    - **Quick and easy —** full-service setup and management saves you time, so you can work on other projects
    - **Automatic vote tallying —** no manual counts of paper ballots
    - **Accurate —** no duplicate or invalidated ballots
    - **No waiting for results —** real-time results, no waiting for ballots in the mail

- **Print the results —** print out the results and use it to help tally physical ballots if they exist.

- **Electronic voting is private and secure**
  - **Private —** our third-party service provides a layer of separation between the voting process and individuals involved
  - **Secure —** no unsecured paper ballots
  - **Authentication —** each vote is captured with a date and timestamp along with the voter's internet address

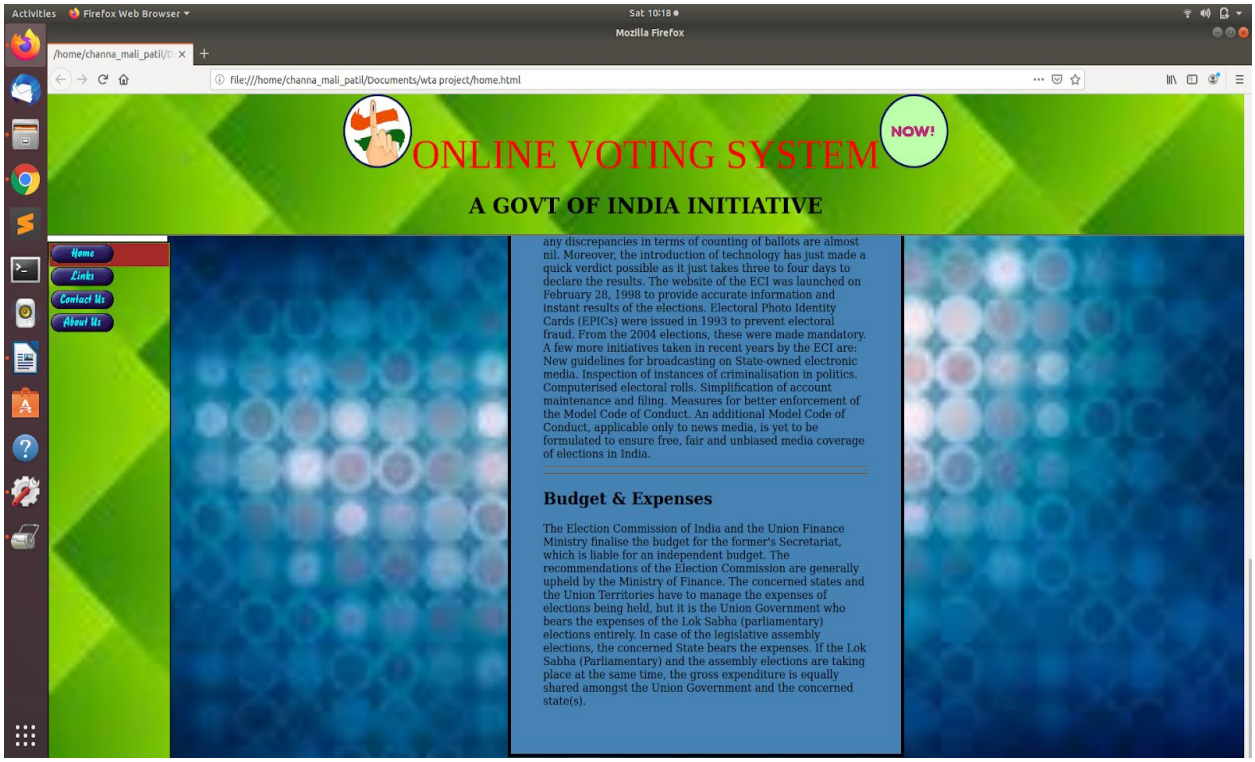
- **Electronic voting is environment friendly**
  - **100% Green friendly —** not a single tree is harmed in this easy to use electronic voting process!

## IV. CONCLUSION

This Online Voting system will manage the Voter's information by which a voter can login and use his voting rights. The system will incorporate all features of the Voting system. It provides the tools for maintaining voter's vote to every party and it counts the total no. of votes of every party. There is a DATABASE which is maintained by the ELECTION COMMISION OF INDIA in which all the names of voters 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 wants to vote he/she has to login by his id and password and can vote to any party only a single time. Voting detail is stored in the database and the result is displayed by calculation. By online voting system the percentage of voting is increased. It decreases the cost and time of the voting process. It is very easy to use and It is very less time consuming. It is very easy to debug.

Here are the screenshot of website:-

HOME PAGE-



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ONLINE VOTING SYSTEM
VOTE
A GOVT OF INDIA INITIATIVE
Home
Links
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(IRS). He can be removed from his office through the process of impeachment, which needs to be carried out in the Parliament. The President of India can remove the other officers on the Chief Commissioner's recommendation.
Functions and Powers of Election Commission of India
The main functions of the Election Commission are as follows: The Election Commission of India is considered the custodian of free and fair elections. It issues the Model Code of Conduct in every election for political parties and candidates so that the dignity of democracy is maintained. It regulates political parties and registers them for being eligible to contest elections. It publishes the allowed limits of campaign expenditure per candidate to all the political parties, and also monitors the same. The political parties must submit their annual reports to the ECI for getting tax benefit on contributions. It ensures that all the political parties regularly submit their audited financial reports. Some of the powers wielded by the Election Commission are as follows: The Commission can suppress the results of opinion polls if it deems such an action fit for the cause of democracy. The Commission can advise for disqualification of members after the elections if it thinks they have violated certain guidelines. In case, a candidate is found guilty of corrupt practices during the elections, the Supreme Court and High Courts consult the Commission. The Commission can suspend candidates who fail to submit their election expense accounts timely. New Initiatives taken by Election Commission In order to bring about various improvements and reforms in the election procedure, the ECI has taken numerous steps. Some of them are as follows: Electronic Voting Machines (EVMs) were introduced to improve reliability and efficiency. With the help of EVMs, chances of any discrepancies in terms of counting of ballots are almost

Activities
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ONLINE VOTING SYSTEM
NOW!
A GOVT OF INDIA INITIATIVE
Home
Links
Contact Us
About Us
Website
Hyperlink
Ministry of Electronics & Information Technology
Ministry of Electronics & Information Technology
National Voters Service POrtal
National Voters Service POrtal
UIDAI
UIDAI
NTIPRIT
NTIPRIT
Indiapost-taskforce
Indiapost-taskforce
Bharat Broadband Network Limited
Bharat Broadband Network Limited
NDSAP
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Pensioners'Portal
Pensioners'Portal
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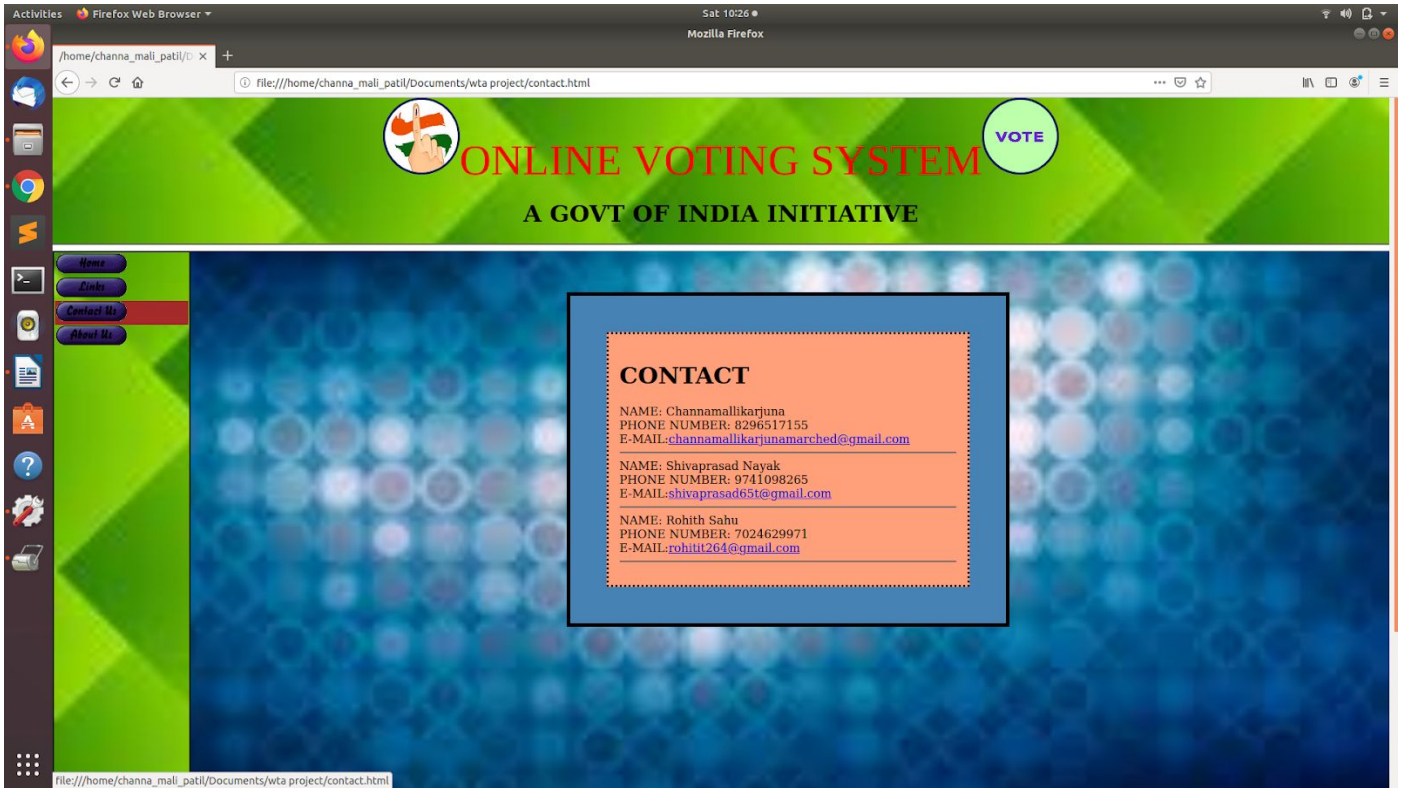
CONTACT US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VOTE
A GOVT OF INDIA INITIATIVE
Home
Links
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CONTACT
NAME: Channamallikarjuna
PHONE NUMBER: 8296517155
E-MAIL:channamallikarjunamarched@gmail.com
NAME: Shivaprasad Nayak
PHONE NUMBER: 9741098265
E-MAIL:shivaprasad65t@gmail.com
NAME: Rohith Sahu
PHONE NUMBER: 7024629971
E-MAIL:rohitit264@gmail.com
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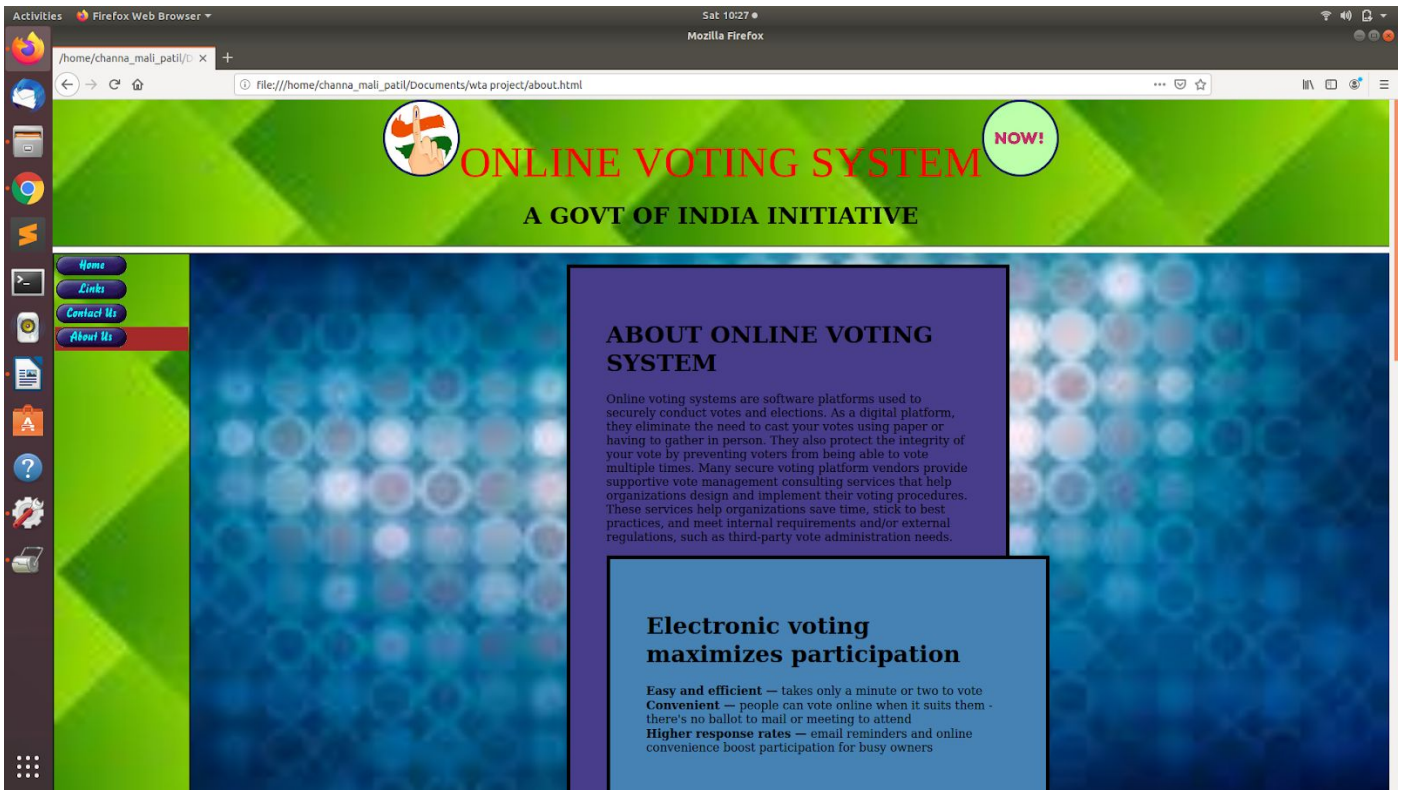
ABOUT US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ONLINE VOTING SYSTEM
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ABOUT ONLINE VOTING SYSTEM
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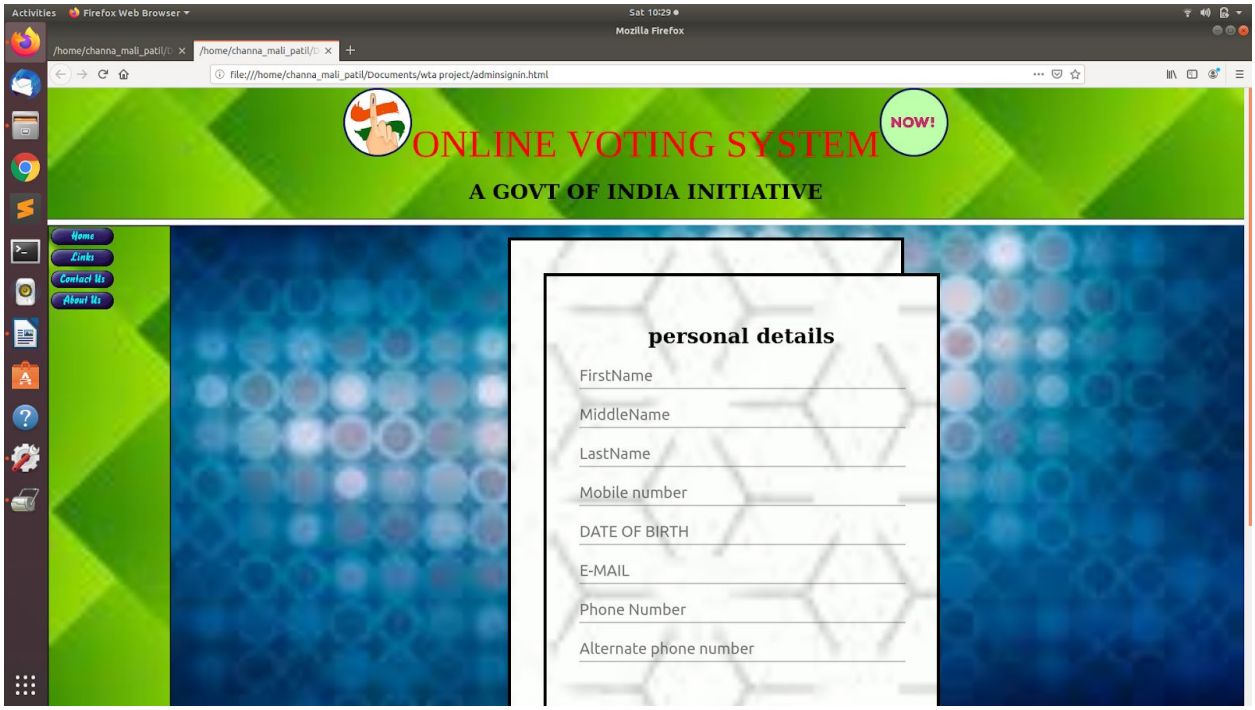
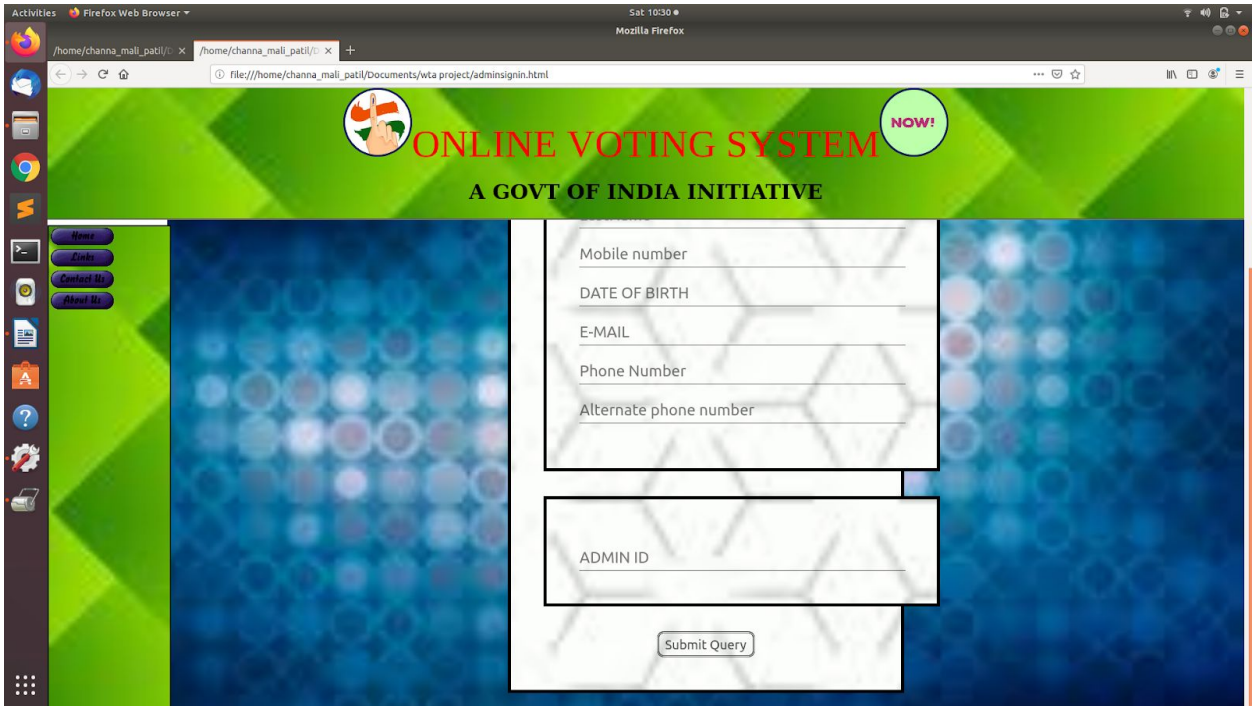
Electronic voting maximizes participation
Easy and efficient — takes only a minute or two to vote
Convenient — people can vote online when it suits them - there's no ballot to mail or meeting to attend
Higher response rates — email reminders and online convenience boost participation for busy owners

LINKS

ADMIN_SIGNUP



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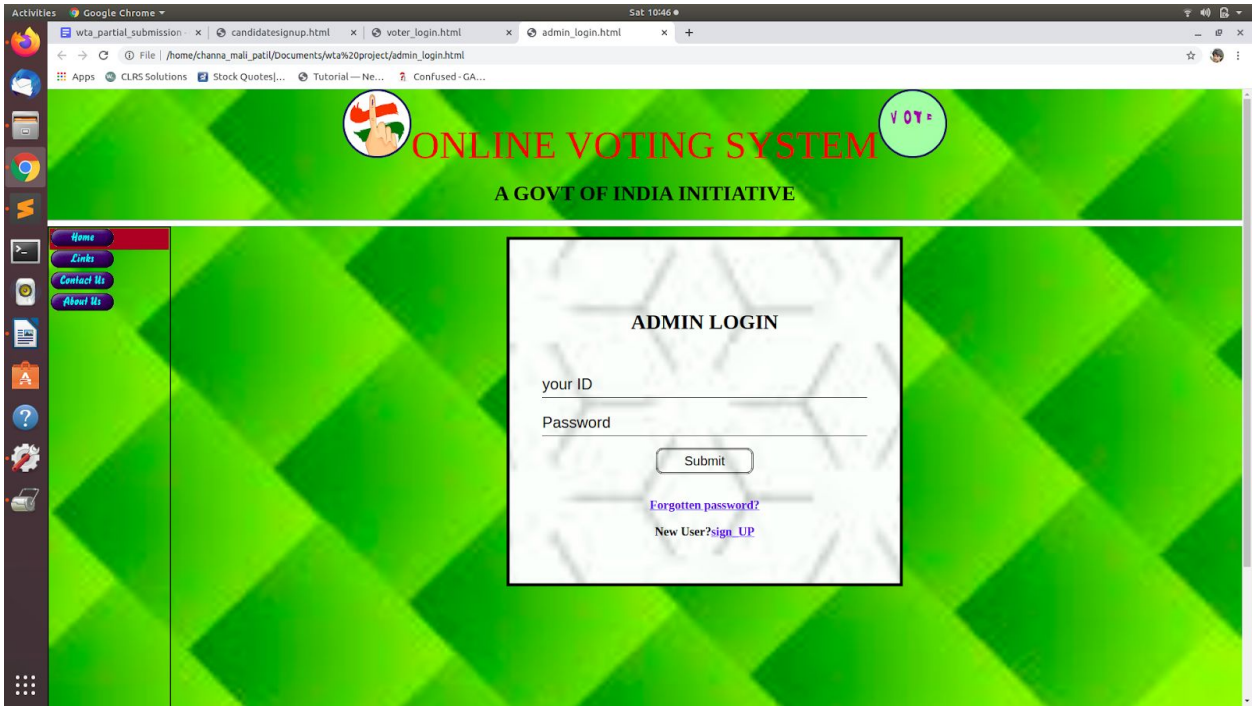


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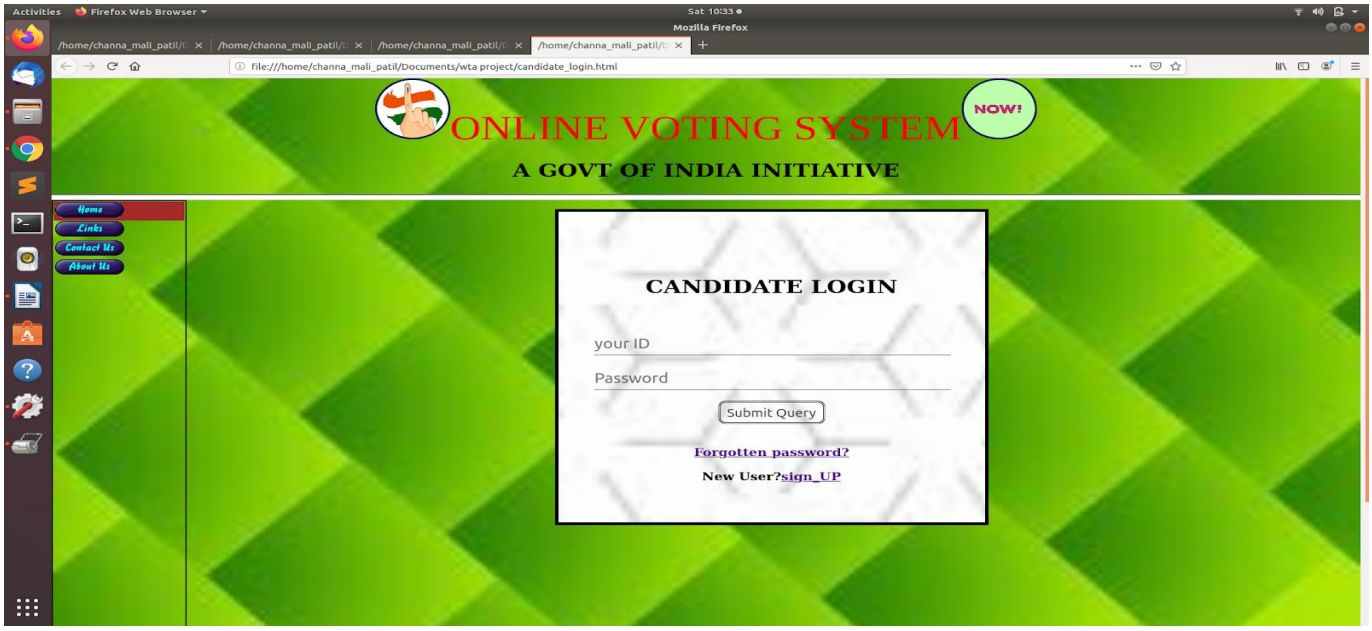


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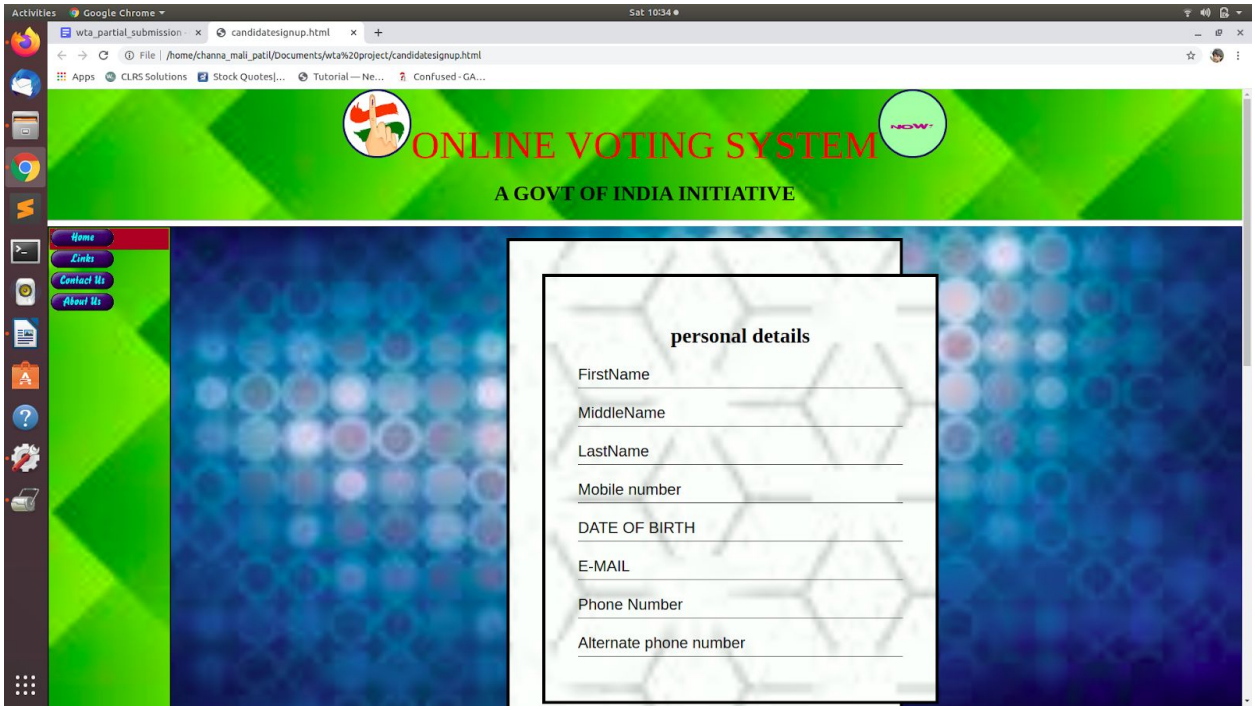

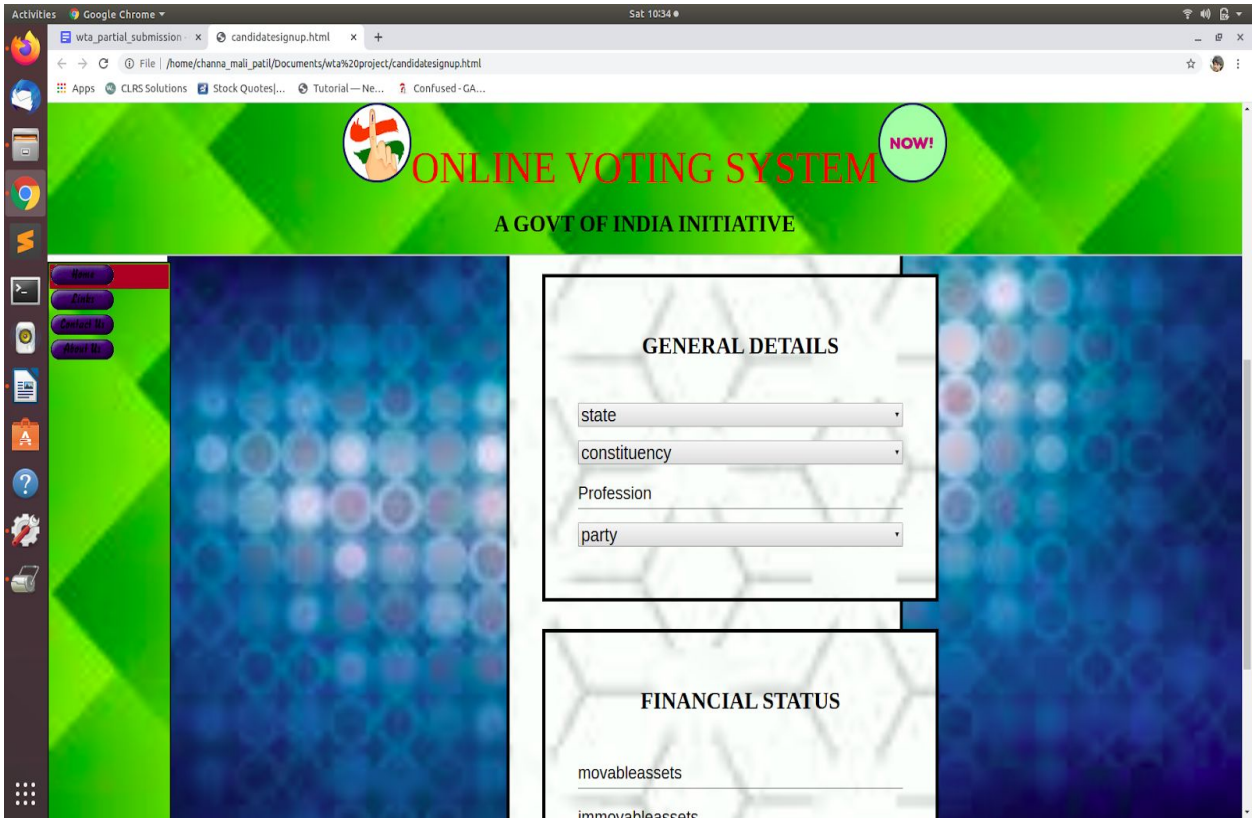
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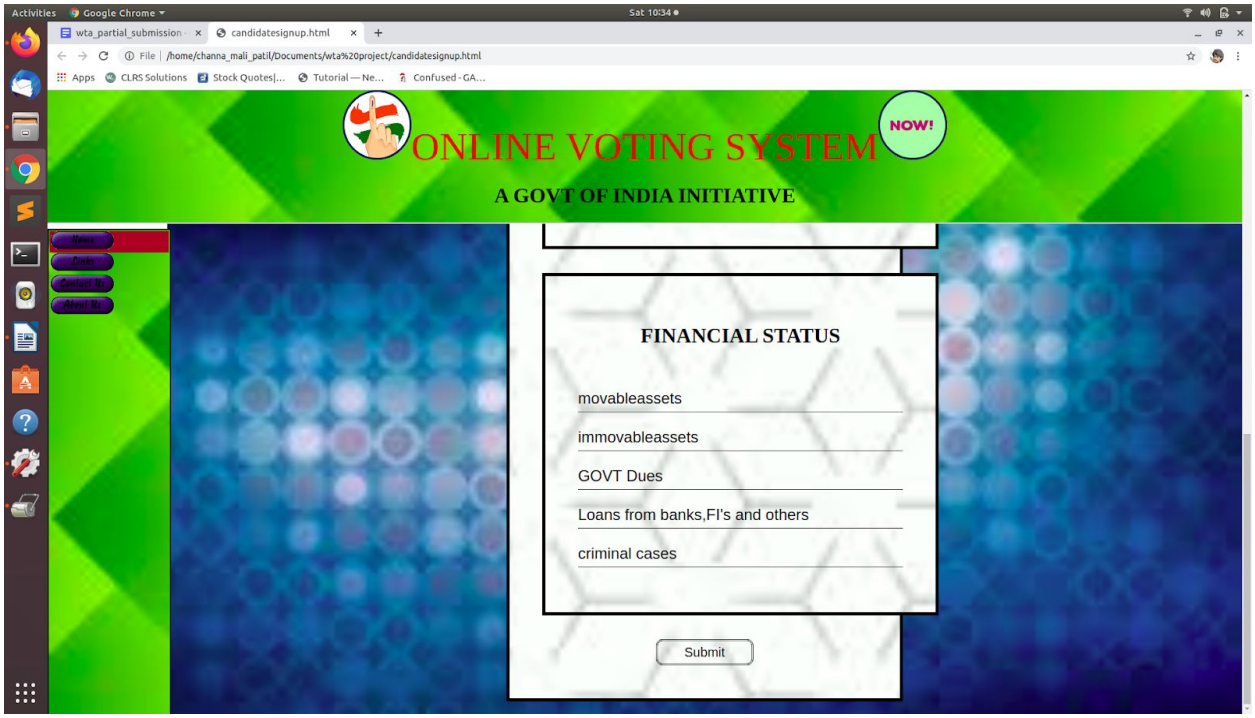
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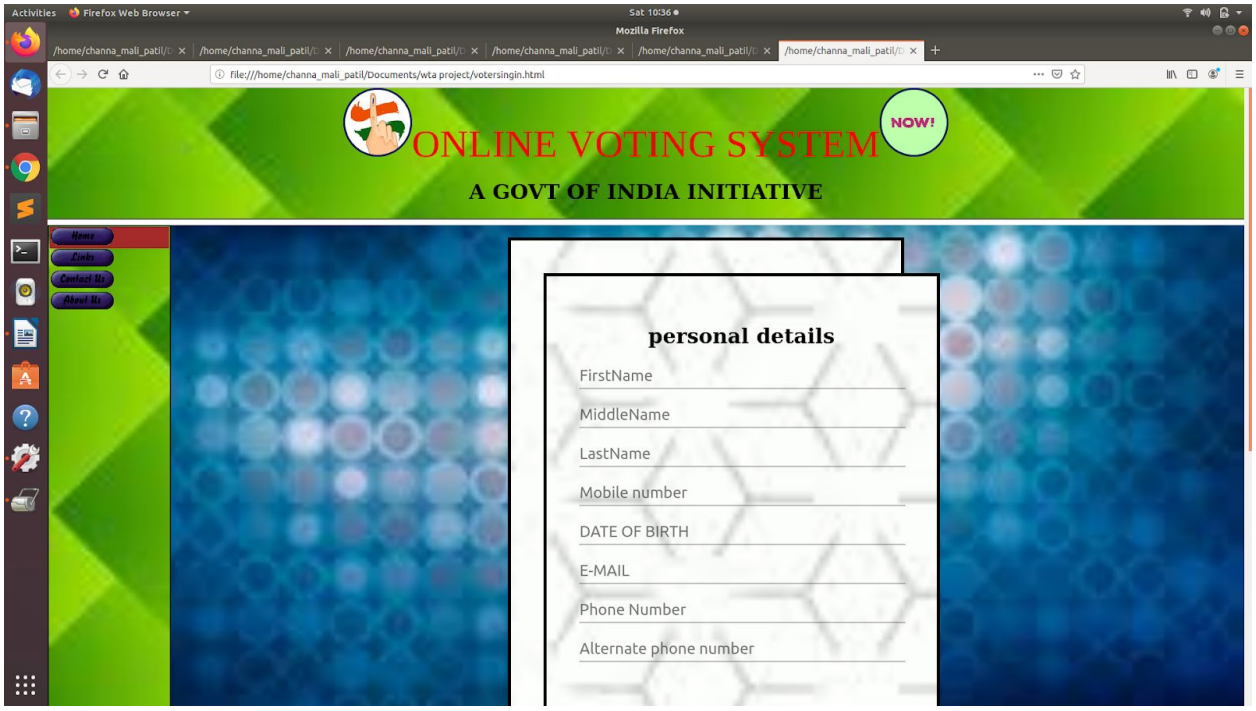
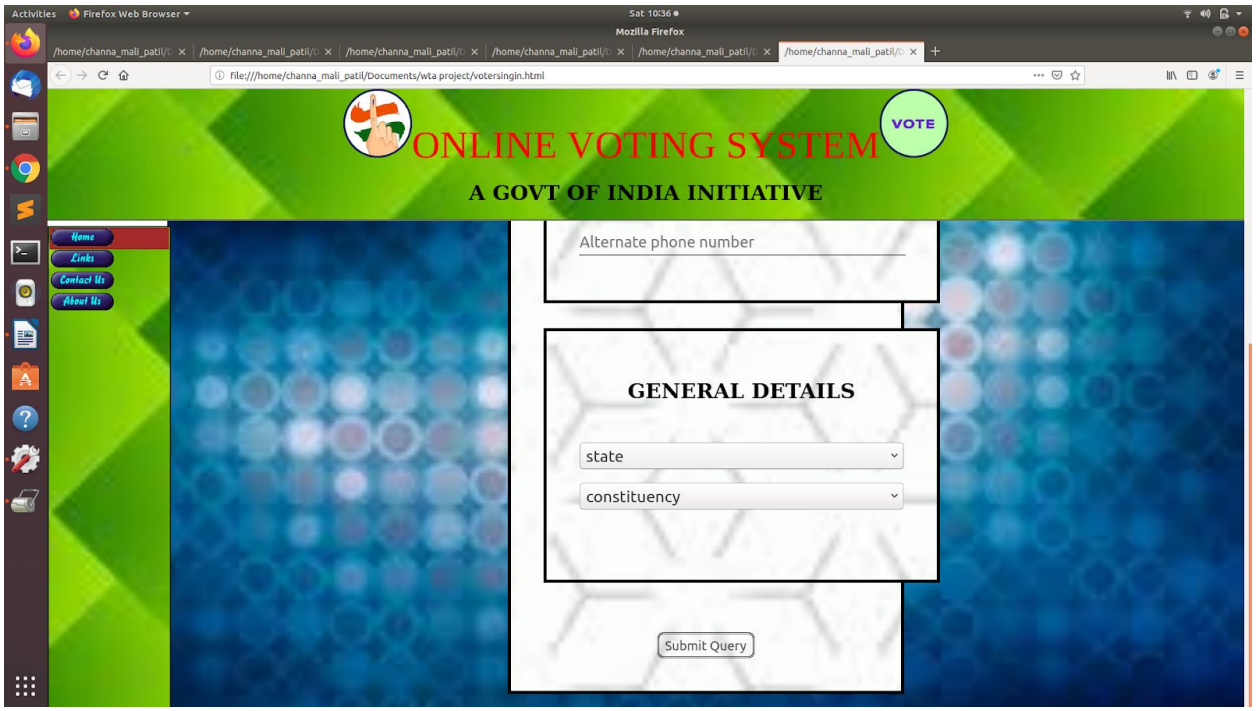
Loans from banks,FI's and others
criminal cases
Submit

VOTER_SIGN_UP

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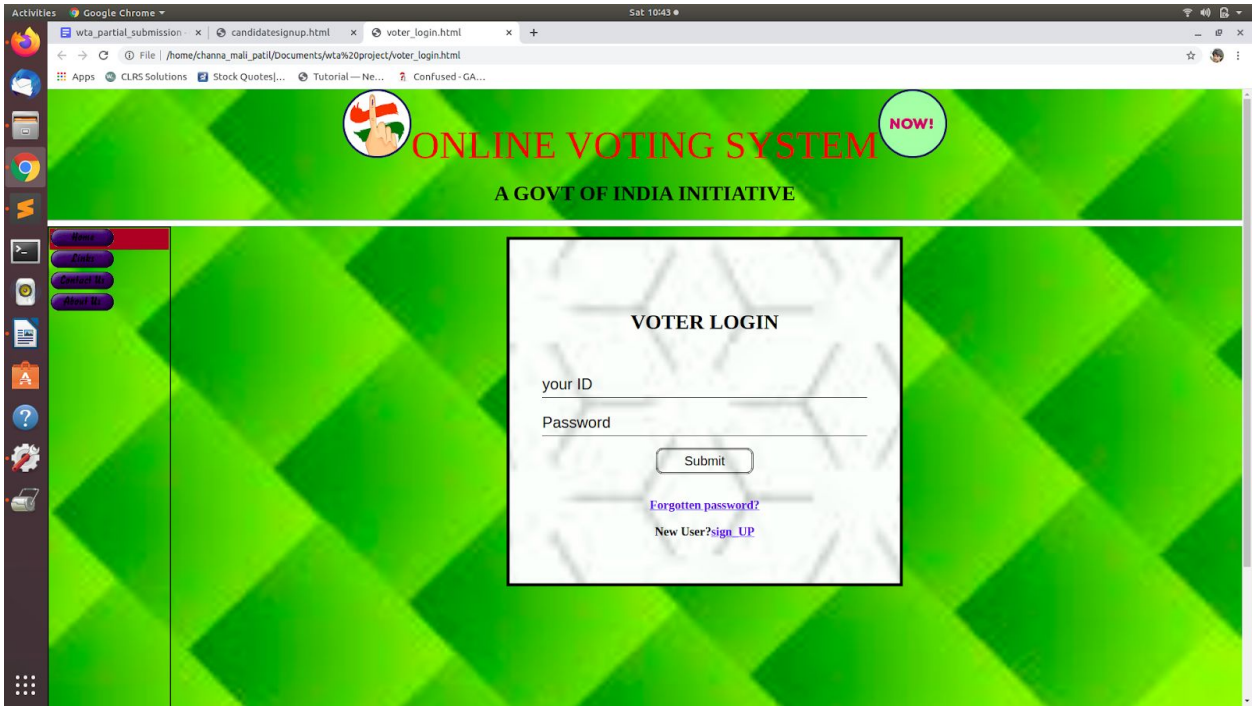
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VOTE

Activities
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