



IJIRCCCE

e-ISSN: 2320-9801 | p-ISSN: 2320-9798



INTERNATIONAL JOURNAL OF INNOVATIVE RESEARCH

IN COMPUTER & COMMUNICATION ENGINEERING

Volume 12, Issue 3, March 2024

ISSN INTERNATIONAL
STANDARD
SERIAL
NUMBER
INDIA

Impact Factor: 8.379



9940 572 462



6381 907 438



ijircce@gmail.com



www.ijircce.com

ONLINE VOTING SYSTEM

Prof. A. A. Shirode*¹, Tanmay Pansare*², Tanish Zore*³, Yash Sambherao*⁴

Dept. of Computer Engineering, AISSMS Polytechnic, Pune, MH, India

ABSTRACT: Election is carried out in every democratic country. It is a mechanism by which people can choose their representatives at regular intervals and change them whenever they want. Voting is a method by which a group, such as a meeting or an electorate, convenes together for the purpose of making a collective decision or expressing an opinion usually following discussions, debates or election campaigns. Democracies elect holders of high office by voting. Voting allows the people to elect the representatives for their particular nation. People of age above 18 are eligible to make their vote in the elections. Voting is held at election booths which aren't available at all places. This makes it hard for the elder age or partially impaired people who wish to vote. This application will make the problem solved. The use of various protection aids makes this application more secure.

KEYWORDS: Voting, Elections, Democracy, Application.

I. INTRODUCTION

Voting is the procedure that every democratic country follows in order to select a representative for any government body. The constitution has provided "the right to vote"- means every citizen who are above the age of 18 are eligible to vote. This project is been made by considering the need of elders and partially impaired people who are unable to vote due to their problems. The application allows them to vote for their desired representatives just from their home. Online Voting is a web-based voting system that will help you manage your elections easily and securely. The main intension is to promote and protect the civil rights of participants in elections. It can also help to correct errors during the election process and expose manipulation and fraud.

II. LITERATURE REVIEW

A new platform for secure votes and voting is the online voting system. Online voting systems is an android-based voting system, which allows voting on all types of android devices. Voters from all over the world are eligible to vote online. Security issues arising from online voting are as follows: In general applications, password protection is high and phishing attacks are not the focus of the application. Website users are not protected efficiently from phishing. The key proposal is for ensuring a secure online polling protocol to meet privacy, anonymity, eligibility, equity, verification, and unique online voting safety requirements.

III. METHODOLOGY

We have provided the user with some basic requirements and features such as:

1. The Voter will first have to enter his/her username and password to log in into the system.
2. In order to caste vote the voter will have to enter his/her aadhar card and pan card credentials.
3. After filling out the credentials the voter will have to select his/her respective state.
4. The voter will be provided with a complete list of candidates of the election.
5. After clicking on next, the voter will be provided with the ID of every candidate along with their electing symbols.
6. Once the candidate has voted the respective candidate he/she wants, a message will appear saying 'Your vote has been accepted'.

IV. MODELING AND ANALYSIS

Online voting system is made to be used as a mobile application. We have used android studio to build this application. Android Studio allows to create applications based on android. It also allows us to create reusable UI components. The user can cast their vote if they have a created their account on this application. This data of voters is saved in secured database.



V. RESULTS AND DISCUSSION

As our application is android-based named “VOTING-SYSTEM”. It works on the android and it is compatible with all the devices. If the voter has to vote they have to first login into the application using their login id and password. These information are kept safe and secure. Let us have a rough look at how our application looks. The below snapshots are just a prototype look of our application.

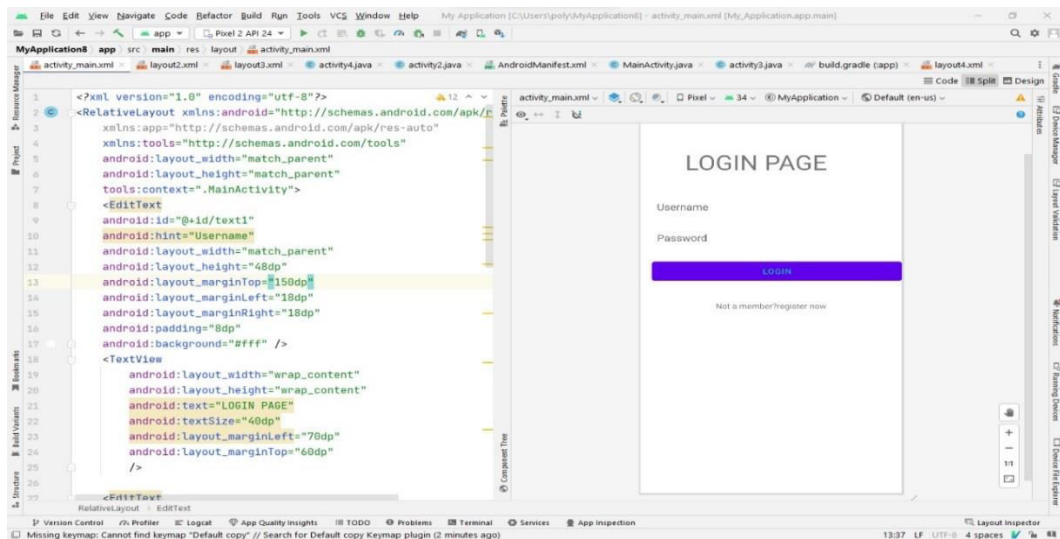


Fig. Login Page

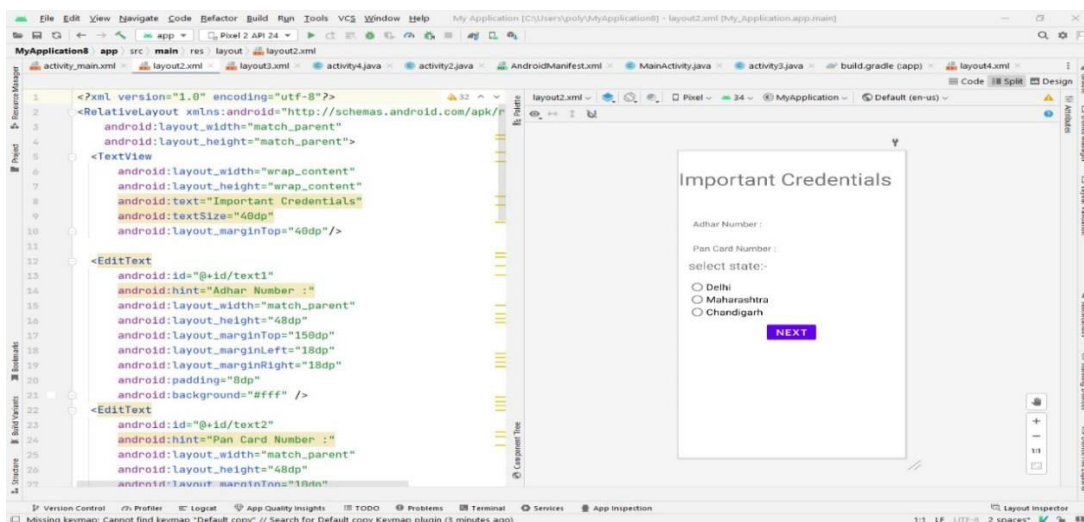


Fig. Credentials Page

Here, the voter has to enter Aadhar Card and Pan Card Details

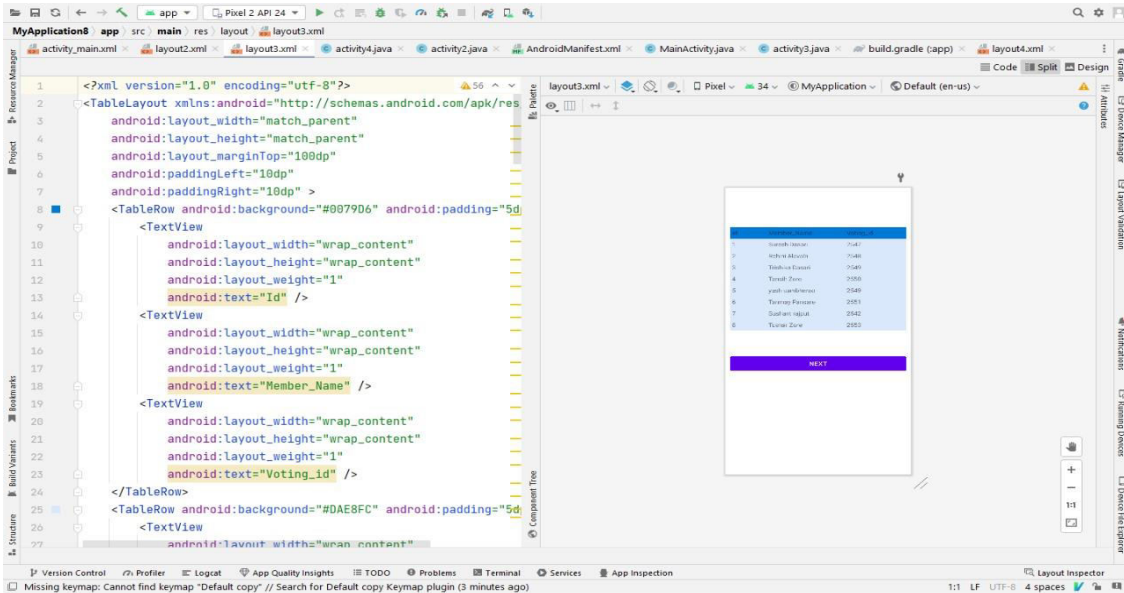


Fig. Candidates List

Here, the voter can view the list of candidates contesting in the elections.

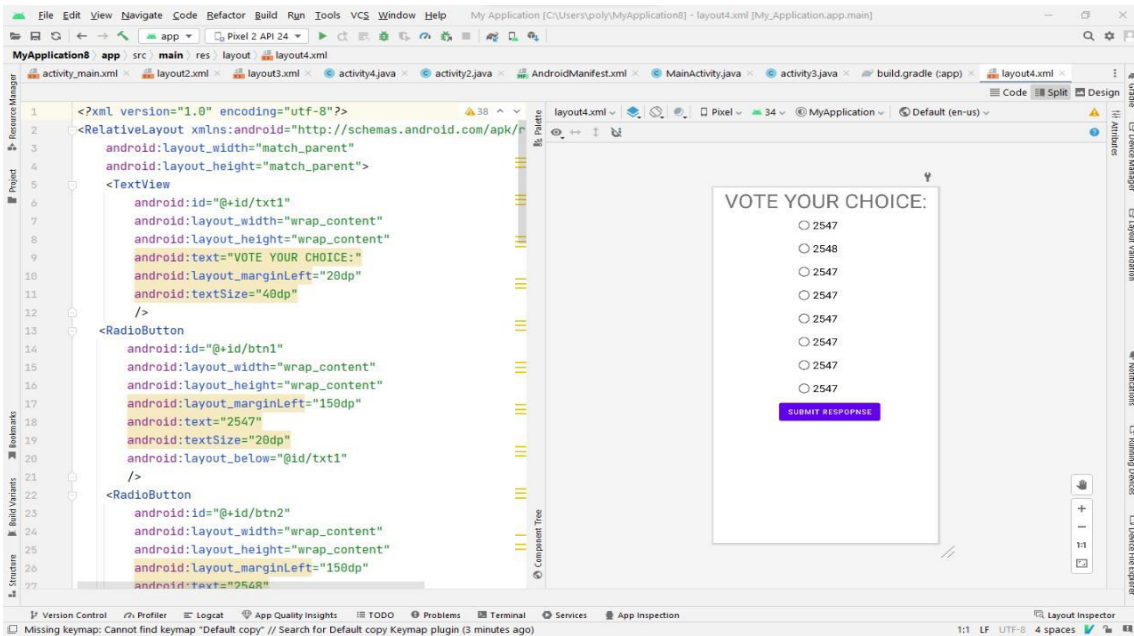


Fig. Voting Window

Vote the desired representative by clicking the button next to his/her id or the symbol which is been assigned to the candidate.

VI. CONCLUSION

By the conclusion, this online voting system serves as a modern way of participating in elections, polls, and various voting events without the need to visit physical polling stations. High-quality online voting systems effectively balance ballot security, accessibility, and the specific requirements of the organization's voting event, providing a convenient



and efficient alternative to traditional voting methods. This system also solves the problem of voting by elder people as well as partially impaired ones. This voting system will allow them to vote effortlessly using any android device from their respective areas. This application is also helpful to reduce the hard work of electoral officers.

Therefore we have developed a android based voting system which allows a eligible voter to vote without the need to visit the voting booths. This application also allows to maintain the privacy and confidentiality of the user data as well as their vote choice.

ACKNOWLEDGEMENTS

With immense pleasure and satisfaction, I am presenting this project report as part of the curriculum of Diploma Computer Engineering. I wish to express my sincere gratitude to all those who have extended their support right from the stage this idea was conceived.

I am profoundly grateful to **Prof. A. A. Shirole**, Project Guide, for his expert guidance and continuous encouragement throughout to see that the project worked is right its target from its commencement to its completion.

I am thankful to **Prof. A. A. Shirole**, Project Coordinator, for conducting and supporting such research activities.

REFERENCES

1. "Voting After Florida: No Easy Answers," Lorrie Faith Cranor, December 2000, <http://lorrie.cranor.org/>.
2. "Electronic Voting," Encyclopedia of Computers and Computer History, prepared by Lorrie Faith Cranor and edited by Raul Rojas, published by Fitzroy Dearborn, 2001.
3. E-voting system general overview. http://www.vvk.ee/public/dok/General_Description_E-Voting_2010.pdf.
4. Voting at home. <http://www.vvk.ee/voting-methods-inestonia/voting-on-election-day/voting-at-home/>.
5. Jussi Aaltonen. Electronic voting case law in Finland. In Ardita Driza / Jordi Barrat, editor, E-Voting Case Law. A Comparative Analysis, pages 173–181. Farnham: Ashgate, 2015.



INNO  **SPACE**
SJIF Scientific Journal Impact Factor
Impact Factor: 8.379

doi[®]
CROSS **ref**

ISSN INTERNATIONAL
STANDARD
SERIAL
NUMBER
INDIA



INTERNATIONAL JOURNAL OF INNOVATIVE RESEARCH

IN COMPUTER & COMMUNICATION ENGINEERING

 **9940 572 462**  **6381 907 438**  **ijircce@gmail.com**



www.ijircce.com

Scan to save the contact details