iJRASET
International Journal For Research in Applied Science and Engineering Technology

# INTERNATIONAL JOURNAL FOR RESEARCH

IN APPLIED SCIENCE & ENGINEERING TECHNOLOGY

**Volume:** 9 **Issue:** VI **Month of publication:** June 2021

**DOI:** https://doi.org/10.22214/ijraset.2021.35231

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International Journal for Research in Applied Science & Engineering Technology (IJRASET)
*ISSN: 2321-9653; IC Value: 45.98; SJ Impact Factor: 7.429*
*Volume 9 Issue VI Jun 2021- Available at www.ijraset.com*

# Smart Polling System

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***Abstract:*** ***Smart polling system is an android application that facilitates user (voter), nominee and administrator (who will be in charge and will verify all the user information) to participate in online voting. Our smart polling system is highly secured, and it has a simple and interactive user interface. The proposed online portal is secured and have unique security feature such as unique id generation that adds another layer of security (except login id and password) and gives admin the ability to verify the user information and to decide whether he is eligible to vote or not. It also creates and manages voting and election details as all the users must login by user name and password and click on candidates to register vote.***
***Keywords: Android application, Online voting, Unique ID, Security***

## I. INTRODUCTION

Unique ID project was at first brought about by the Planning Commission as a drive that would give recognizable proof to every inhabitant the nation over and would be utilized principally as the reason for productive conveyance of government assistance administrations. It would likewise go about as an apparatus for compelling observing in Political decision framework in our nation (MP, MLA, City, and Panchayat). In view of the Unique Id number, the clients will get a secret key to their Email, utilizing this secret key they can cast a vote in the elections, so the tasks like duplications of votes, figuring results will be a lot simpler for the Election council. In any event, for client it is plausible and he can cast a vote from any place on the planet. The arrangement gives a decent number of significant worth added administrations in contrast with the ordinary democratic cycle. A citizen can see subtleties identified with chosen one, candidate's party, symbol, and so forth, an individual elector can register without much of a stretch himself by adhering to the worked on enlistment structure guidelines. The viable key for Unique Id base voting in android framework manages the brief democratic interaction that is there is no malignant and unapproved casting a ballot. This likewise guarantees that the single elector won't be permitted to cast a ballot in a similar political race in any division not more than once, which is prime part of the democratic cycle. The security is at two distinct levels, one at elector subtleties and other at regulatory level. The principle objective is to computerize the democratic interaction and exercises identified with casting a ballot cycle through Web and mobile (android). This arrangement will work with the electors and chosen people with the various modules. This arrangement is a lot of vital for the decisions in the local bodies just as general body. In light of Unique Id number the clients will get a secured number (OTP) to their Emails, utilizing this number, clients will decide in favor of his favored applicant.

## II. LITERATURE REVIEW

After India accomplished Independence in August 1947, there was a need to hold General Races to choose a really delegate Government based on widespread grown-up testimonial. Article 324, which accommodates the setting up of Political race Commission as an autonomous established power, was in this way brought into power from November 26th, 1949, though, the majority of different arrangements were made successful from January 26th, 1950 (when the Constitution of India got viable).

1) *Balloting Framework:* For the first and second General Elections in 1951-52, and 1957, the Political race Commission embraced the 'Balloting Arrangement' of casting a ballot. Under this framework, each applicant was designated a different voting booth at each surveying station in a screened compartment and the elector was required distinctly to drop his voting form paper, the halfway pre-printed polling form papers into the voting station of his preferred competitor.
2) *Stamping Framework:* From the third General Elections in 1962 onwards, the Commission exchanged over to 'checking arrangement' of casting a ballot. Under this framework, a typical polling form paper containing the names and political race images of all challenging up-and-comers is imprinted on which the citizen needs to put an imprint with a bolt cross imprint elastic stamp on or close to his preferred image of the competitor. All the checked polling form papers are placed into a typical voting booth.
3) *Electronic Voting Machines:* The Electronic Voting Machines (EVMs) were utilized without precedent for part of Parur Assembly Electorate in Kerala in 1982, on trial premise. Afterward, the broad utilization of EVMs began in 1998. The EVMs were utilized at all surveying stations in the country in the fourteenth General Decisions to the Loksabha in 2004 interestingly. From that point forward all decisions to Loksabha and Legislative Assemblies have been held utilizing EVMs.

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Online voting application contains:

*a)* User details
*b)* Nominee details
*c)* Results of election
*d)* Unique user id given my administration

## III. PROBLEM STATEMENT

The Electronic Voting Framework has been deployed in India since years and is being utilized for directing elections. In this framework an electronic machine will be used at casting a ballot community where an elector should project his/her votes by choosing their favored competitor. Although this framework is being used, there are a few restrictions and charges about this framework like the up-and-comer knowing the number of individuals from a polling station decided in favor of him. This is a huge issue especially if hacked votes in favor of/against a competitor are projected in individual polling stations and the winning applicant may show bias or hold resentment on explicit territories. There are charges like tampering of EVMs.

The above focuses talked about are the principle purposes behind us to track down a superior option in contrast to the current framework which is to present Web based voting for example internet polling. Practically all individuals have keen mobile phones which are needed to carry out this framework.

## IV. PROPOSED METHODOLOGY

In recent days cell phones are broadly utilized, it is feasible for the advancement of uses for overall mainstream interest by computerized vote utilizing mobiles. E-Casting a ballot framework is the application for Android Portable Working Framework Stage. It is application for casting a ballot (voting). Application depends on Customer-Server Architecture. At server site, we are putting away database all around the world.

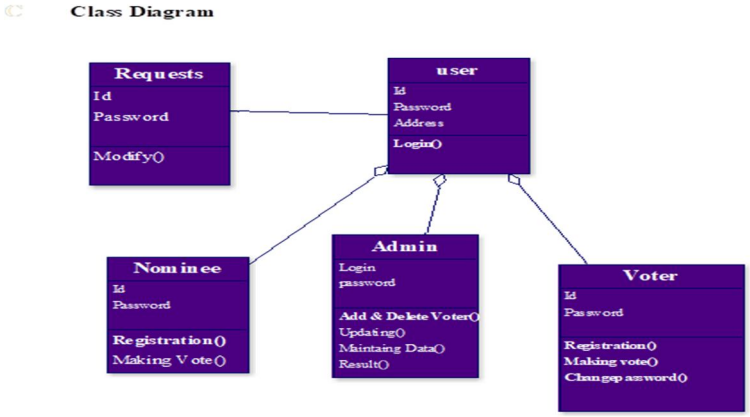


Fig 1: Class Diagram

### A. *User Login*

The user (voter) has to enter the Unique Id sent to his Email along with his Username and password to login to the system.

Fig 2: User Login Page

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*B. Voting Page*

The voter can view all the details including manifesto of nominees by selecting and can vote to his preferred candidate.

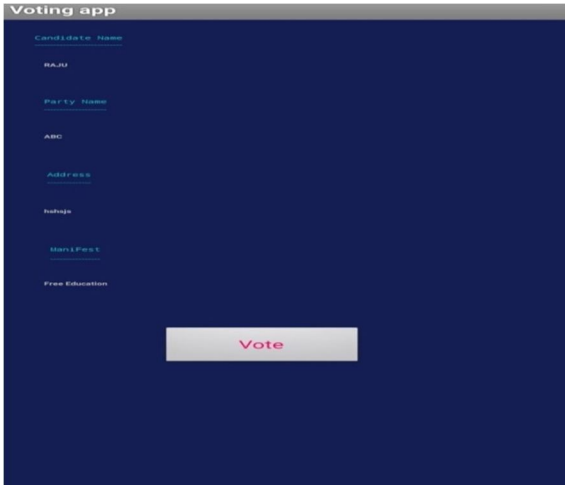


Fig 3: Voting page

*C. Results Page*

The voter can view the results of the election by navigating to the results page

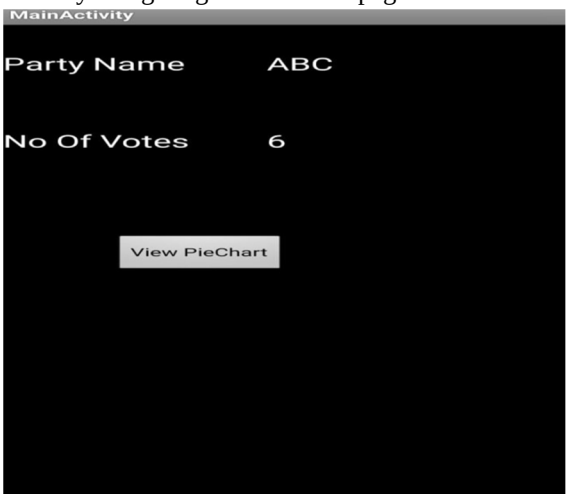


Fig 4: Results Page

## V. CONCLUSION

An online voting system enjoys numerous upper hands over the conventional voting framework. A portion of these benefits are less expense, quicker age of results, simple openness, precision, and generally safe of human and mechanical blunders. It is not difficult to utilize and it is less tedious. It is exceptionally hard to foster web based voting framework which can permit security and protection on the significant level. Future advancement centered to plan a framework which can be not difficult to utilize and will give security and protection of decisions on adequate level by legitimate confirmation and handling segment. It is not difficult to utilize and it is less tedious. It is exceptionally simple to debug.

By fostering this task, casting a ballot cycle, social orders are made simple. More validation strategies are incorporated which stays away from the voting of invalid votes. Making a voting interaction with in less time and checking is done naturally. It is mainly helpful to the workers in light of the fact that in serious world they are so occupied and they can't burn through the time. They are making a vote from anyplace in less time. All these make political decision a drawn-out task. In proposed framework casting a ballot and checking is finished with the assistance of computer. It saves time, keep away from mistake in checking and there will be no invalid votes. It makes the election process simple.

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## VI. ACKNOWLEDGEMENT

The authors would like to acknowledge the support of the Chairman, Director, Head of the Department, Department of Computer Science and Engineering, and project guides of CMR Technical Campus, Medchal, Hyderabad, Telangana, for their encouragement to the authors.

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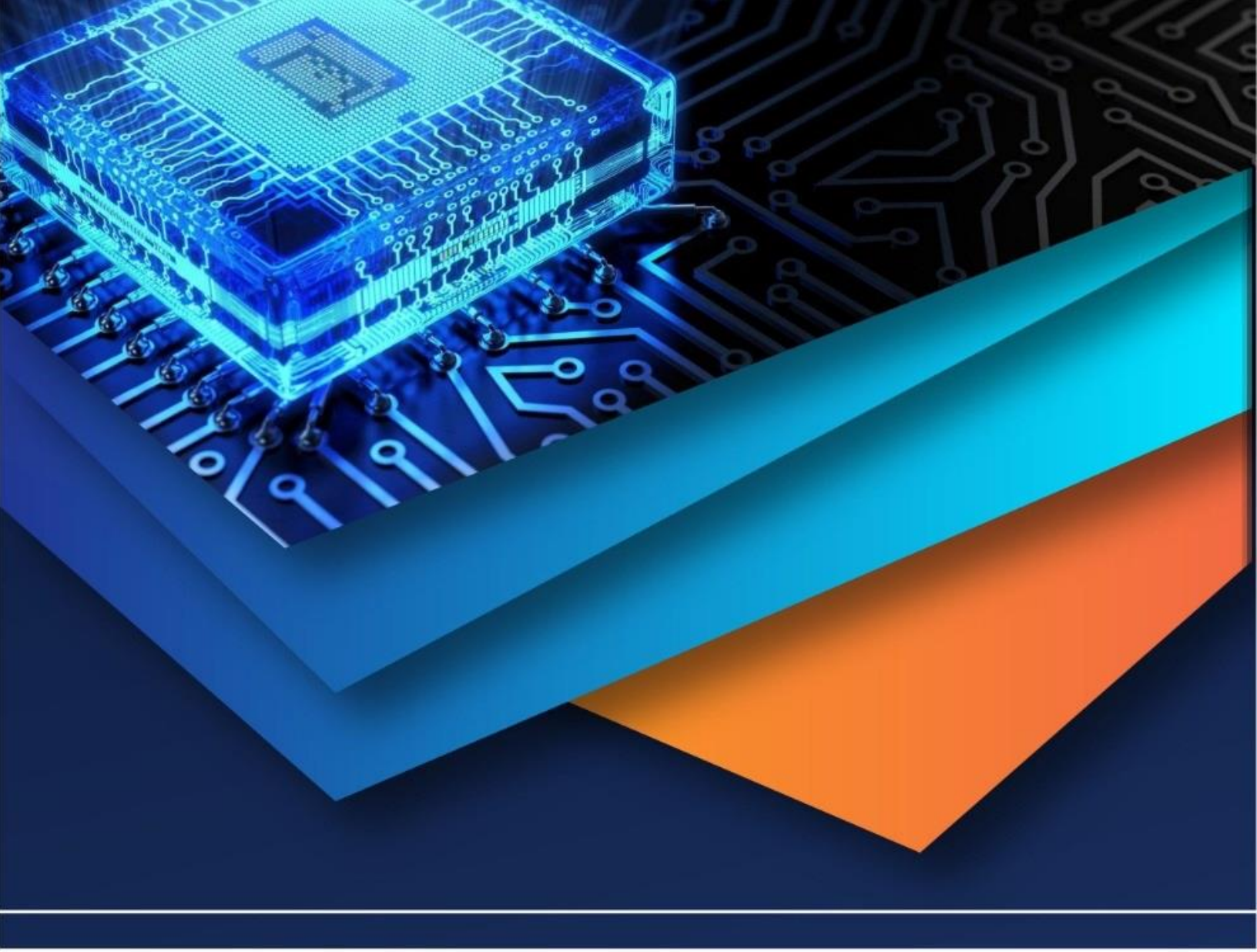

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