ONLINE VOTING SYSTEM USING CLOUD COMPUTING

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ABSTRACT

In this investigation work. Voting is commonly related to politics and is finished with often taking advantage and manual approach where voters stand to vote for his or her decisions. In the new era of advanced technology where online system improve work speed, reduces mistakes and encourage the generation of accurate results, having manual election system becomes a misfortune. A public election system add up to the backbone of a democracy where the people have to elect their state's leader. India currently uses a manual election system, which source several kinds of problems. Due to this papape tally ased election system, some problems are faced by voters before or during elections and others are faced by the management before and after the voting. An online system, which involves procedures like booking voters, vote casting, vote counting, and declaring results would constitute a good solution to replace current system and put forward system in this thesis will be helpful for the voters by using any resources like their own system or arranged by executive. Moreover, the put forward stem will also decrease the risk for corruption. The system is put forward after interviewing officials of two departments, the Nation Database and Registration Authority India (NADRA) and the Election task of India (ECP). NADRA has an online archive of the citizens of India, and is providing the Computerized National Identity Cards (CNIC) and also hold up different organizations with their online system. So, by using NADRA's system it becomes easy to register all voters of the age 18 or above, and furthermore to verify and secure their data. Our system is also provide with a chat bot that works as a support or guide to the voters, this helvps the using the voting process.

I.   INTRODUCTION

In the new period of trend setting innovation where online framework supports work an incident Introducing new technology is always a complex undertaking, and has many different aspects. These aspects are partly technical, partly social, political, organization and legal, and partly behaviour. This is also the case for information and communication technologies, and we see the study of these dimensions in various disciplines. In most cases, the research then aims at bringing forward practical knowledge about design, development and implementation of ICT's, and at the same time at contributing to the theoretical knowledge of the discipline involved. As a sequel, multidisciplinary research is the characterisation of the social research related to technological change, and this paper is not different. of the aims our study has is to inform practical development and use of ICT's for politics, but also to learn fundamental things within the disciplines involved. Here we focus on one of the important dimensions, that is the role of social and socio-psychological factors. Experiments with Internet technology in real life situations may inform us about various things, all studied by different disciplines. However, taking the design, the development, the implementation and the use of new technologies as point of departure, all these disciplinary approaches in studying Internet voting should inform the designer. . This is what we call 'design oriented research', in which we try to produce results that inform the scholarly debates as well as the practical discourse. In the research project on which this paper is based, these many things are in fact done: first of all designing and building a prototype. Secondly, testing the automation in real situations; experimenting with the 2 prototyoe in order to find out One political, organizational, administrative, legal contains. And finally, experimenting with the prototype in order to learn about the acceptance, use, usability, evaluation, trust by the individual voter, and the implications for the vote.

II.   LITERATURE REVIEW

Distributed computing is make use for information putting away in circulated condition and these information can be gotten to effectively from anyplace whenever. E Voting can be consideration of as Good Governance in India. Current E-Voting substructure has a few issues of including votes, fraud in making sham votes and pool of

security. In any case, to settle such issues give out computing offers quantities of chances, yet the development of distributed computing advances are still at diaper days organize. In this paper, we speak to the general still at diaper days organize. In this paper, we speak to the general of distributed computing, survey of various techniques make use for cloud based E-Voting framework over the aadhar card, SMS and Traditional System. The primary point of this paper is to find the difficulties looked in current E-Voting framework and protection issues, which are vital part of EVoting, As mentioned by Ms.Bhargabi Jadav and Ms.Aneri Desai.

2.1 Background

This is a structurethat can be used by user to cast vote in an election. All the voters have to login and click on cast vote to his/her select candidates to submit his/her vote. An anyasis development and testing are done on LAN. On other hand online voting software is been an analysis for many years, researched cases of wrong implementations reported in recent years. These an element are need to be resolved so public can cast their vote in a secured and fitting environment. online voting is a voting software in which any user can use his/her voting goodness from anywhere. Online voting application contains:

a) users details

b) users Names with ID and password.

c) users vote in a database.

d) sum of an entire number of votes.

e) result panel

f) chatbot to help users

g) a distinctive user id given my administration Various functioning works proposed in the system are: information of the user in database. Verification of details submitted by user of wrong information. Each information is submitted to administration.

2.2 Product Function:

The product is an election manage tool with a simple GUI and a Chatbot in it. This system is developed using php. Though legacy is stand-alone. It be in need of a XAMPP server.

2.3 Product Perspective:

Our System has a server back-end which takes care of attest the users and maintaining necessary details. The user interface at the server's end enables creating the election on behalf of the users. The users must login with id and password then they can entrance he election module where they can cast their vote with such ease an consolation nd their response will be saved and after that result will be displayed.

III.   SOFTWARE DESIGEN

3.1 FLOWCHART
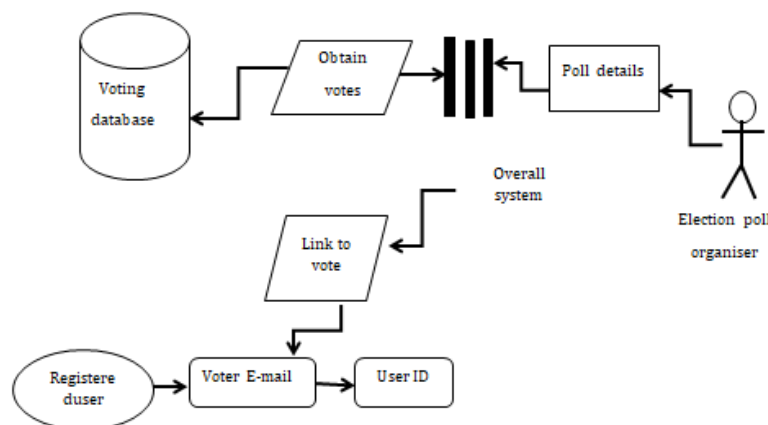
IV.   PROPOSED SYSTEM

4.1 Home Page

The first of a number of page of information on the portal that belongs to a person or an organization .A home page hold connections to other pages of information
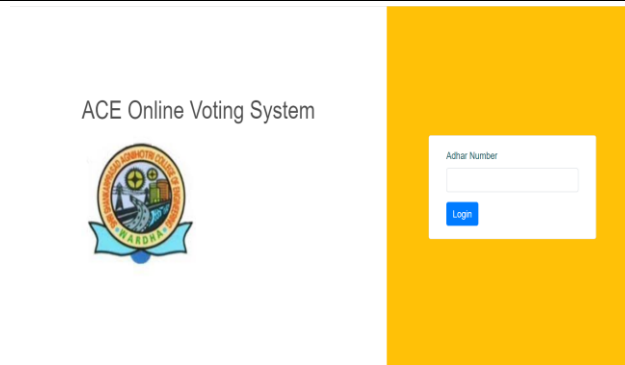
Fig 1

4.2 Election Process

The nomination and election processes and procedures ar comprehensive-making sure members have the information to decide who will be the future leaders of the academy. the process of selecting candidates is detailed and deliberate, from reaching out to soliinfine tunt nominees, fine tuning nomination forms, crafting interview questions and making final selection from a pool of very qualified individuals. At every step, the Nominating Committee Emphasizes the criticle importance of inclusion, diversity, equlity and access in choosing leaders for the Academy.
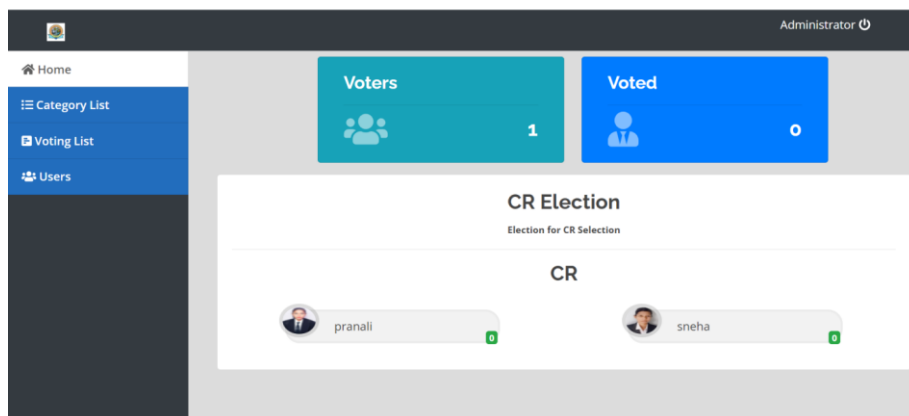
Fig 2

4.3 Category List

Category List in a democratic election ,the list of those who are eligible to category list is prepared much before the election and givrn to everyone, which is correctly called the electrol Roll and is commonly know as the Category List
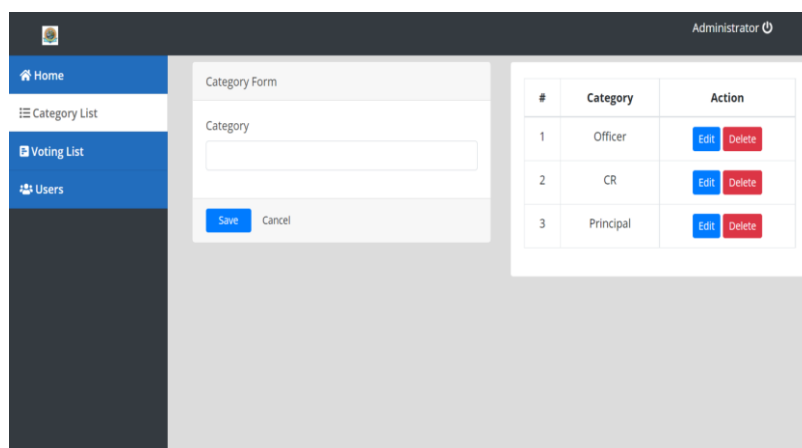
Category Form

Fig 3

4.4Voting List

An electrol list is a assortment of candidates for election, usually found in proportional or mixed electoral list can be registered by a political party, Collages or can add up to a group of independent candidates.
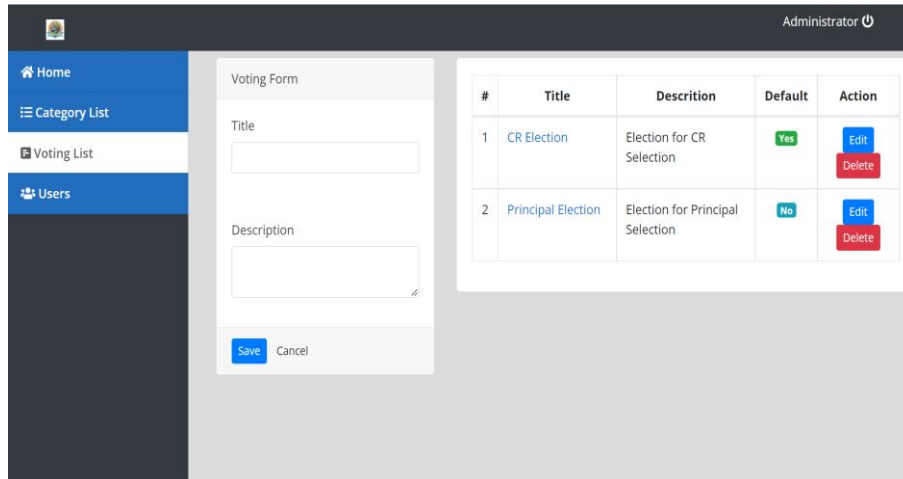
VotingFrom

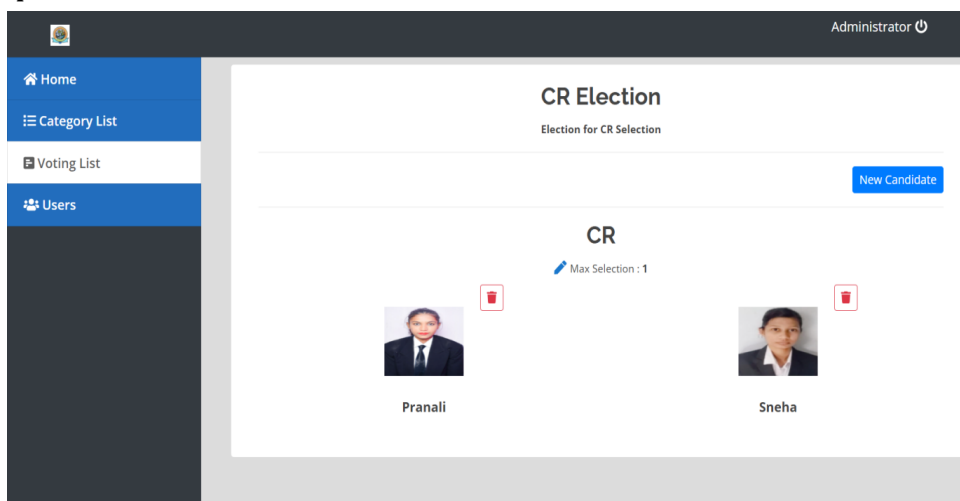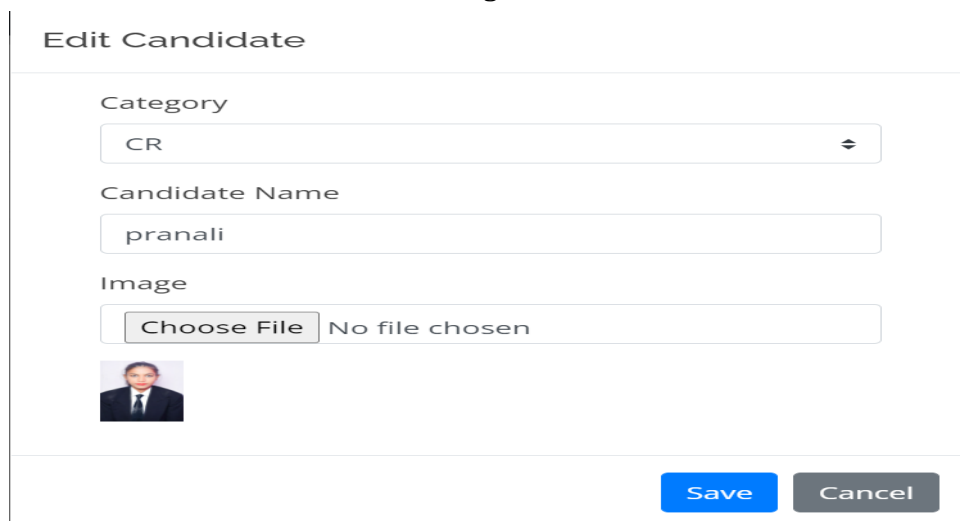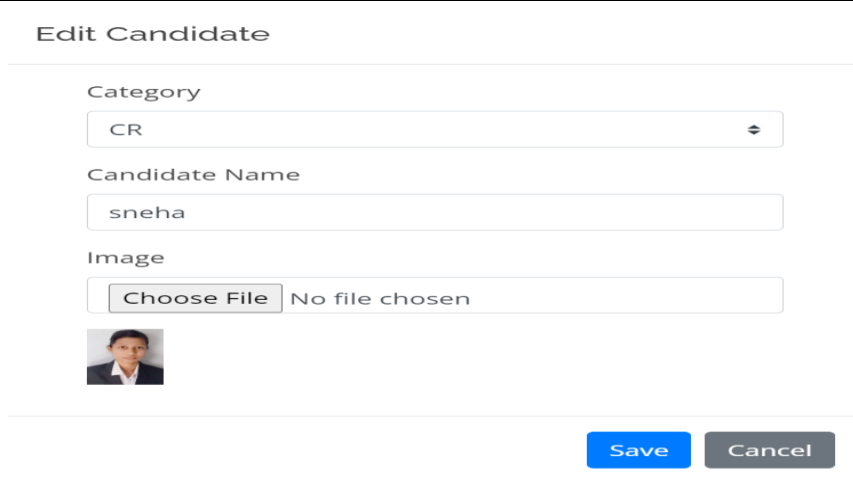

Fig 4

4.5 Selection process of candidates

Fig 5

Fig 6
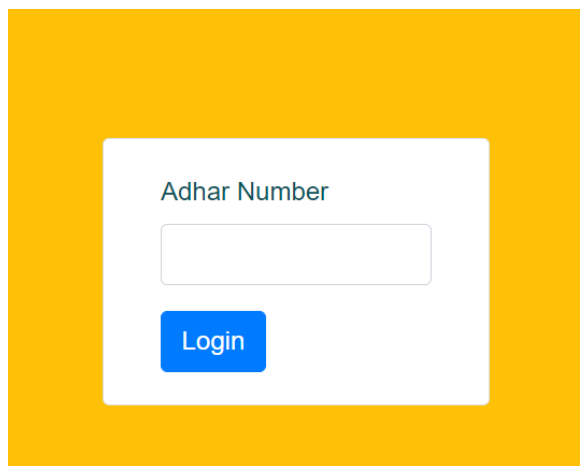
Fig 7

4.6 User Login

A user login a person who utilizes a computer or network services. A user often has a user account and is identified to the system by a username. Other term for username include login name, screen name, account name, nickname and handle, which is derived from the identical citizens band radio term

Fig 8

4.7 Database

In computing, a database is an organized collection of data stored and accessed electronically. Small database can be stored on a file system, while large databases are hosted on computer clusters o9r cloud storage
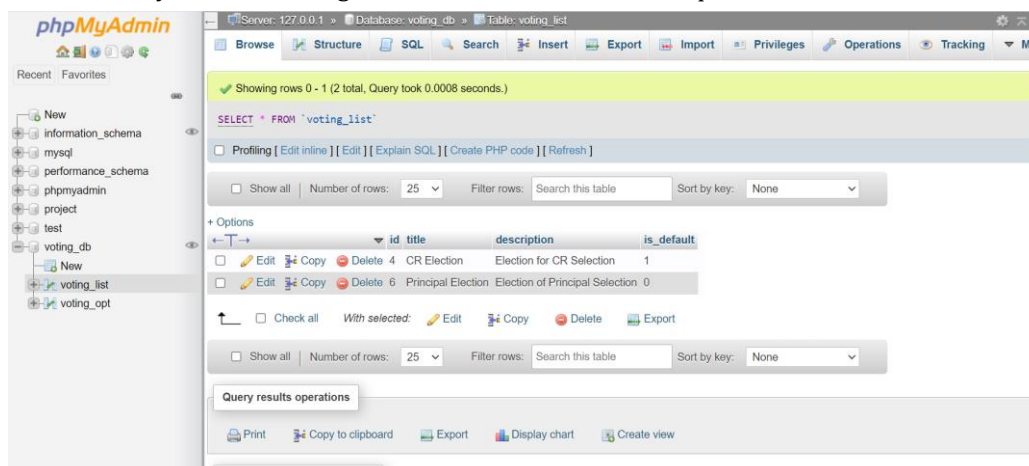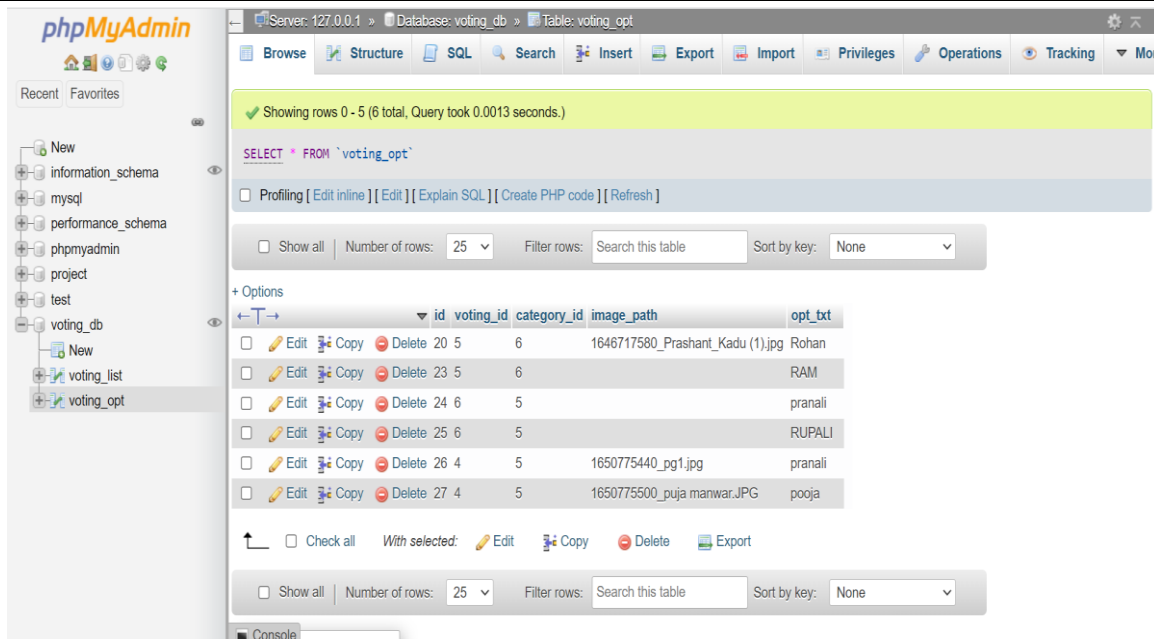

Fig 9

Fig 10

V.   FUTURE SCOPE

By doing this undertaking I had the capacity to bring another framework for online national voting in favor of our nation. With incoming of innovation and Internet in our everyday life, we had the capacity to offer propelled casting a ballot framework to voters both in the nation and outside through our web based casting a ballot framework.

VI.   CONCLUSION

The Online Voting Platform offers the least demanding and most helpful technique for directors and voters alike. The general question of our research project was to study the effect of the new media on voting: participation, articulation of opinion, and outcomes. We bent at claer(up) how memedia result decided social and social-psychogicology asaptable. Our online portal gives voter a chance to cast his/her vote via internet without going to voting booth. Our portal supply a special chatbot also that will resolve any issue faced by user during the whole voting process. The system gives fast access, more security levels, high flexibility and efficiency. It also eliminate the chances fake person casting vote or bogus voting. It also reduces man power and dispose of human error. It provides quick result of election which are completely accurate Our system focuses on reducing the time and paper work. Hence the online voting system make all the voting process fast and gives security to the vote.

VII.   ADVANTAGES AND APPLICATION

- ELECTION COMMISION OF INDIA can swap the details any time if need, Registraion of the Voter depends upon the information filled by the user and Voter is gives a unique ID and PASSWORD..
- In the DATABASE information of every voters is stored and Database show the information of every user.

VIII.   REFERENCES

[1]   Asp SQL Code Examples. (n.d.). Retrieved April 25, 2016, from http://asp.happycodings.com/sql/

[2]   Rabinadnan kishor,"Implementation of cloud for online election system", International journal of advance research in computer science and management studies,vol.3, March 2015.

[3]   K. P. Kaliyamurthie, R. Udayakumar, D. Parameswari and S. N. Mugunthan, "Highly Secured Online Voting System over Network," in Indian Journal of Science and Technology | Print ISSN: 0974-6846 | Online ISSN: 0974-5645.

[4]   Drew Springall, Travis Finkenauer, Zakir Durumeric, Jason Kitcat, Harri Hursti Margaret MacAlpine J. Alex Halderman, November 3–7, 2014, "Security Analysis of the Estonian Internet Voting System," in CCS"14, Scottsdale, Arizona, USA. ACM 978-1-4503-2957-6/14/11.

[5] M A Imran, M S U Miah, H Rahman, May 2015, "Face Recognition using Eigenfaces," in International Journal of Computer Applications (0975 – 8887) Volume 118 – No. 5.

[6] Tadayoshi kohno, Adam stubblefied, "Analysis of an Electronic Voting System", IEEE computer society press, July 2003.

[7] Deliverable 2.1, 2002. Oostveen A., & Peter van den Besselaar (2002), Linking databases and linking cultures; the complexity of concepts in international E-government. In: Beat Schmid, Katarina Stanoevska-Slabeva, Volker Tschammer, Towards the E-society: E-business, E-Commerce, and E-government. Dordrecht: Kluwer Academic Publishers, 2001. pp 765-774.

[8] Tolbert, C. and R. McNeal (2001) Does the Internet Increase Voter Participation in Elections Paper prepared for delivery at the 2001 Annual Meeting of the American Political Science Association, San Francisco, August 30-September 2, 2001

[9] Donk, W. van der, & P. Tops (1992), Informatization and democracy: Orwell of Athena? In Informatization and the Public Sector 2 (1992) 169-196 Green, E., Owen, J. and D. Pain (1993), Gendered by design? Information Technology and Office Systems. London: Taylor and Francis

[10] Internet Policy Institute (2001) Report of the National Workshop on Internet Voting: Issues and Research Agenda. March 2001.