Electronic Voting System

Minor Project Synopsis

Bachelor of Technology

Information Technology

Submitted By:-

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1 Introduction

"ONLINE VOTING SYSTEM" is an online voting technique. It is based on the other online services like "ONLINE RESERVATION SYSTEM" .In this system people who have citizenship of INDIA and whose age is above 18 years of any sex can give his and her vote online without going to any polling booth. There is a DATABASE which is maintained by the ELECTION COMMISION OF INDIA in which all the names of voter with complete information is stored. eVote is an election system that facilitates voters to record their secure and secret ballot electronically. It has a friendly user interface and enables voters to cast their votes in few simple steps. We ensures the authenticity of the voters and the votes cast by them along with non-traceability of the casted vote. eVote's robust architecture has persistently manifested to be one of the most reliable, comprehensible and economical electronic voting solution.

It renders Simple and Accessible voter experience that eventually increases voter engagement and turnout. Auditable, Easy To Use, Secure and Reliable is what sets eVote apart from its competitors

2   Objectives

The main objectives of system for Online voting system are:

1. The objective of Online voting system is to help the organization in automating the whole manual processing of the existing system.

2. The main objective to develop the system is to make the accurate and efficient decisions in different tasks at different time 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.

3. System should support multi-user environment.

4. System should be fully automated.

5. System should provide concrete security features like creating users and assigning privileges to users of the system.

6. System should be capable to keep track of all the detailed descriptions of the client and the whole details of services offered by the client organization.

7. Various outputs (reports) should be available online any time.

8. System should be able to handle extremely large volumes of data (i.e. Large database support)

3 Feasibility Study

3.1 Technical feasibility:

- A study of resource availability that may affect the ability to achieve an acceptable system. This evaluation determines whether the technology needed for the proposed system is available or not.

- Can the work for the project be done with current equipment existing software technology and available personal?

- Can the system be upgraded if developed?

- If new technology is needed then what can be developed

- This is concerned with specifying equipment and software that will successfully satisfy the user requirement. The technical needs of the system may include:

3.2 Economical feasibility:

- This feasibility checks whether the system can be developed with the available funds. The Online voting system does not require enormous amount of money to be developed. This can be done economically if planned judicially, so it is economically feasible. The cost of project depends upon the man-hours number of required.

3.3 Schedule feasibility:

- Time evaluation is the most important consideration in the development of project. The time schedule required for the developed of this project is very important since more development time effect machine time, cost and cause delay in the development of other systems.

- A reliable Online voting system can be developed in the considerable amount of time.

4 Methodology/ Planning of work

Software Development Life Cycle (SDLC)

System development life cycle is a process of developing software on the basis of the requirement of the end user to develop efficient and good quality software. There are various software development approaches defined and designed which are used during development process of software, these approaches are also referred as "Software Development Process Models" (e.g., Waterfall model, incremental model, V-model, iterative model, etc.). Each process model follows a particular life cycle in order to ensure success in process of software development.
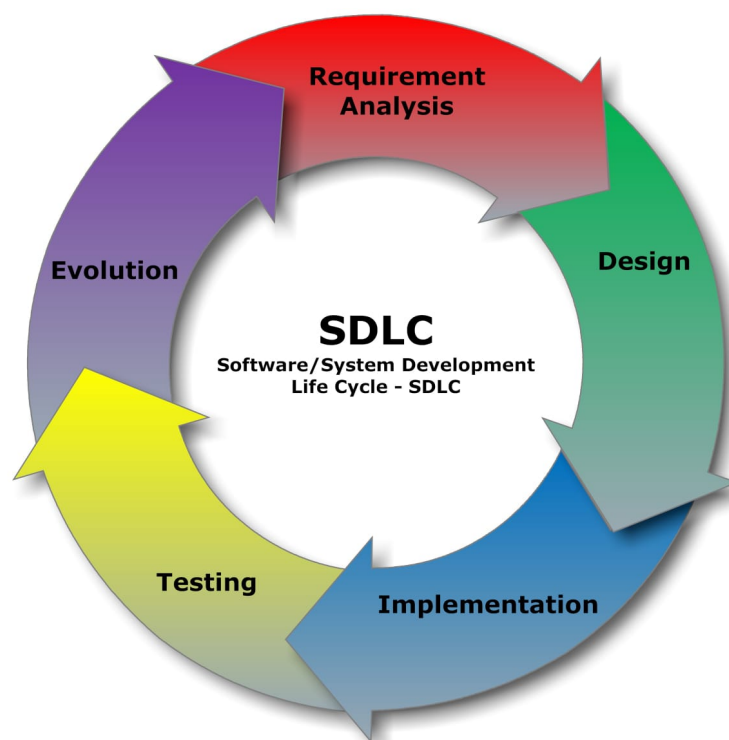

Figure 1: Software Development Life Cycle (SDLC)

5   Facilities required for proposed work

System Requirement:

Windows 10 or Ubuntu 18.04

4 GB RAM

512 GB Hard Disk

Intel dual core i5

Latest Browser (Chrome/Firefox/Safari)

Text Editor (VS Code/Sublime)

References

[1] https://www.w3schools.com/REACT/DEFAULT.ASP[Online] Available:

[2] https://www.tutorialspoint.com/javascript/index.htm [Online] Available:

[3] https://react-bootstrap.github.io/components/alerts[Online] Available:

[4] https://cloud.mongodb.com/v2/6124931c5bc2e4559c0f13d9clusters[Online] Available: