# ONLINE VOTING SYSTEM FOR IRAQI FEDERAL GOVERNMENT (IFG)

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### Abstract

*The evote one person one vote .Iraq voting system is exceedingly easy to understand stemming from the country's combination of parliamentary democracy.in which parties are supreme and a desire to allow voters to choose a local candidates. Evote give people in everywhere a chance to make decisions about how their country is run. Evote is the most important ingredient in making any country a democracy. It allows voter to vote 24 hours per day in everywhere online. The system is designed for voter convenience and is environmentally friendly.*

***Index Terms:*** *Iraqi federal government (IFG), Voting system, Service provider.*

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## 1. INTRODUCTION

E-election is a major issue in both e-government and digital society domain because it is requirements and impacts on the government and society. Modern voting system in developed and democratic societies have been diffused in different forms like electronic voting kiosk voting remote electronic voting, online voting or internet voting(or i-voting)from 1990 to 2008[1,2].however to the best of author's knowledge, no precise and seamless guideline exist to support e-election deployment (not limited to e-voting)in developing countries. Democracy level and e-readiness vary with the development country.Computer and internet are reaching almost every corner of the world. And with their increasing availability ,most service those require a face-to-face contact are getting replaced by their network version.Banking,shopping ,corporate meeting are known being held over the internet .holding election over the internet seems logical from many different points of view. Relief from long queues, minimal chance of voting error, verifiability (not possible case of face-to-face service) and immigrant voters stands in favor of an electronic election. Recent improvements in network security have made it possible to design election system with high class security. But it is also important that carefully designed protocol and continuous improvements of the implementations are necessary to keep them out of reach from the network threats. From that point of view, electronic election appears to be just another application of computer and network security. In real life. The whole election process can be taken under the carefully observation of the election Authority or Election Commissioner. Any kind of unfairness can be cheeked by honest officers while the whole voting process continues.Although a wide variety of E-Election systems

schemes and protocols exist today but the basic structure of an E-Election system are almost have same standard. Therefore, the general requirementsUsed for traditional paper-based voting system are also applicable to the electronic election system to in addition to the legal social and security point of view.
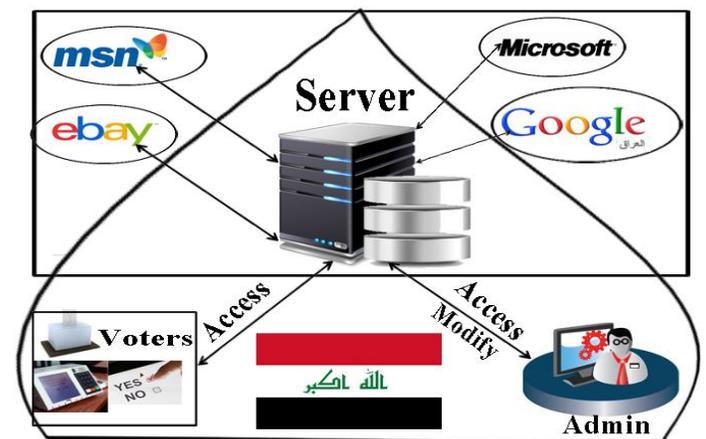


*Figure 1. 1: Voting system of Iraq*

## 1.1 COMPARISONWITH EARLIER SYSTEM

Traditionally the process of voting is quite cumbersome because voter must come in person to vote. However, this method is time-consuming and cumbersome for the authority to manage since it requires extra work to send, collect and count the ballots manually. Electronic voting system or EVS can overcome those problems. EVS is expected to make our

modem social life more convenient, efficient and inexpensive. By using EVS in national election, a voter can vote from his home or office.EVS must meet security requirements such as confidentiality, integrity, authentication, and verifiability. This is because EVS is more vulnerable than traditional voting due to the nature of digital processing of election data which can be easily manipulated, hence may result in widespread fraud and corruption Security is a problem because, to date, the commercially available technology does not provide a completely secure e-transaction environment. Security can therefore, primarily be considered as a technological problem. It is not the aim of this research to address the future technical advances of security in electronic voting, but rather, in the course of this paper, we will explore, how we can improve the level of security of the e-voting procedures, given the established limitations of technology in addressing the issue in question. This problem results in the low participation rate of voting. Vote-by-mail can cater for certain voters such as those who live in sparsely populated areas and who work far away from the voting centres.Electronic voting system or EVS can overcome those problems. EVS is expected to make our modem social life more convenient, efficient and inexpensive. By using EVS in national election, a voter can vote from his home or office. Improvements in network security have made it possible to design election system with high class security. But it is also important that carefully designed protocols and continuous improvements of the implementations are necessary to keep them out of reach from the network threats. From that point of view, electronic election appears to be just another application of computer and network security. In real life, the whole election process can be taken under the careful observation of the Election Authority or Election Commissioner. Any kind of unfairness can be checked by honest officers while the whole voting process continues. But when we have to implement the whole process by com-putters, online, then we feel the need of automation of the whole process while ensuring the practicality and fairness. Since the whole process is to be done online through net-works we also have to take care of the security.

## 3. OBJECTIVE

With regards to this paper our objectives is to build a developing Iraqi Federal Government (IFG) online voting system and apply democracy on the all Iraq, that can provide different services to they cannot reach to election so by using evote it is possible for each Iraqi citizen, Evote for each people can vote without crowed and waiting on the rows. Evote make an evolution in Iraq Egovernment technology.

## 4. STUDY OF THE SYSTEM

In the flexibility of the uses the interface has been developed a graphics concept in mind, associated through a browser interface the operational or generic user interface helps the users

upon the system in transactions through the existing data and required services. The operational user interface also helps the ordinary users in managing their own information helps the ordinary users in managing their own information in a customized manner as per the assisted flexibilities. The system after careful analysis has been identified to be presented with the following modules.

The modules involved are:

- Login Panel
- Registration
- Voter
- Admin

**Login Panel**: - It acts as a Gateway Interface which will given the credentials will allow or disallow the user.

**Registration**:- Any end user is allowed to register with the system .User can simply fill the specified form which after validation allows the user to register with the mail system because he got a unique user address.

**Voter**:Access the service provided by the system and voting.

**Admin**:Control the system, registers the party modify candidate, share the results of the Election   and controlling the news on the public home page.

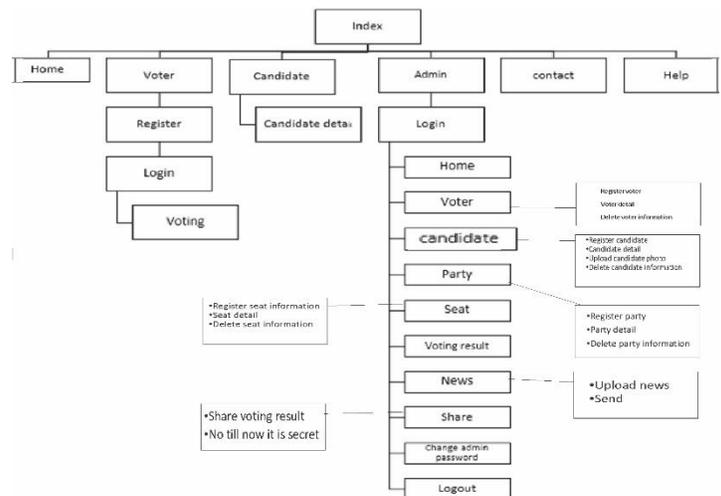## 5. WORKFLOW OF APPLICATION



*Figure 1.2 system workflow*

In order the electrical vote for Iraq government, it is designed by one person one vote when the voter visit our website so appear home page for voter, each Iraqi citizen can visit evote for voting chooses candidates, first the voter must enter the registration of the page for ensuring already he is Iraqi citizen or not and for give the voter id, the voter id it given from the

server when fill each blanks after that submitting.When the voter go to the voting it must enter Login after that it will open login window for voter wanted voter id and password. For admin it separate because admin can see the results, modify candidates, modify parties, modify voters, enter the number of seat men and women because in Iraq every city deferent have number of seat there are as the size of the seat and population .when election completed so that server can share the results on the public home show, and sharing latest news of the government and election commission, also only admin can change the password on the admin home page.

## 3. CONCLUSION

Online voting system for Iraq federal government it is provide a new system for user and Iraq government to be trust and make ensure in every where and every time when voting to the chooses candidates .the system designed for applying democracy in Iraq federal. IN this software that make update of Iraq Election and avoid wasting a time, when election completed after a few time can give us a finally outcomes so that everything brightness. The evote is less costly for government because avoid papers and time etc….

## ACKNOWLEDGEMENT

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