Finger Print Voting System

Udhayakumar.C[1], Pravin.P[2], Mohamed Yashir.H[3] and Lokesh kumar.S[4]

[1]Assistant Professor, Department of Electronics and Communication Engineering, Sri Eshwar College of Engineering, Coimbatore, Tamilnadu, India.
[2,3,4]UG Scholar, Department of Electronics and Communication Engineering, Sri Eshwar College of Engineering, Coimbatore, Tamilnadu, India.

ABSTRACT

The project titled "Finger   voting system" is designed using Microsoft Visual Studio.Net as front end and Microsoft SQL Server as back end which works in .Net framework version 3.5. The coding language used is VB .Net Voting Registers system helps us to manage all the voting person details in a correct format. Using finger print system there will not be any mal function. Following are the modules in this project. The objective of this software development project is to create a new system to be used by the Concern staff's and end-users which consists of Administrative staffs, Super-user staffs and end-users. Voting shall provide the Voter, winner with the capability to: Person Details Management, Finger Print Recognition and Voting Management.

Keywords: VB.net, .net framework, SQL server.

1. INTRODUCTION

The system, which is followed at present, is a manual system. In general the Voting or other resources need to be protected and unauthorized persons must not access i.e., view or edit the file. The Voting documents if misused by others may cause the theft of the valuable data between the voters. This is draw back of the companies. Another important drawback of existing system is time factor. It will not help the management to solve the problem in time and also very difficult to maintain all the voter details and here there is no computerized voter attendance, leave or department facilities. So it its lot of time consuming and manual work and there is no security for the attendance to the voter because they keep the leave details always in self. The above said reasons are overcome by using the visual basis.net. Since the security system in this package is more secure than other software packages.
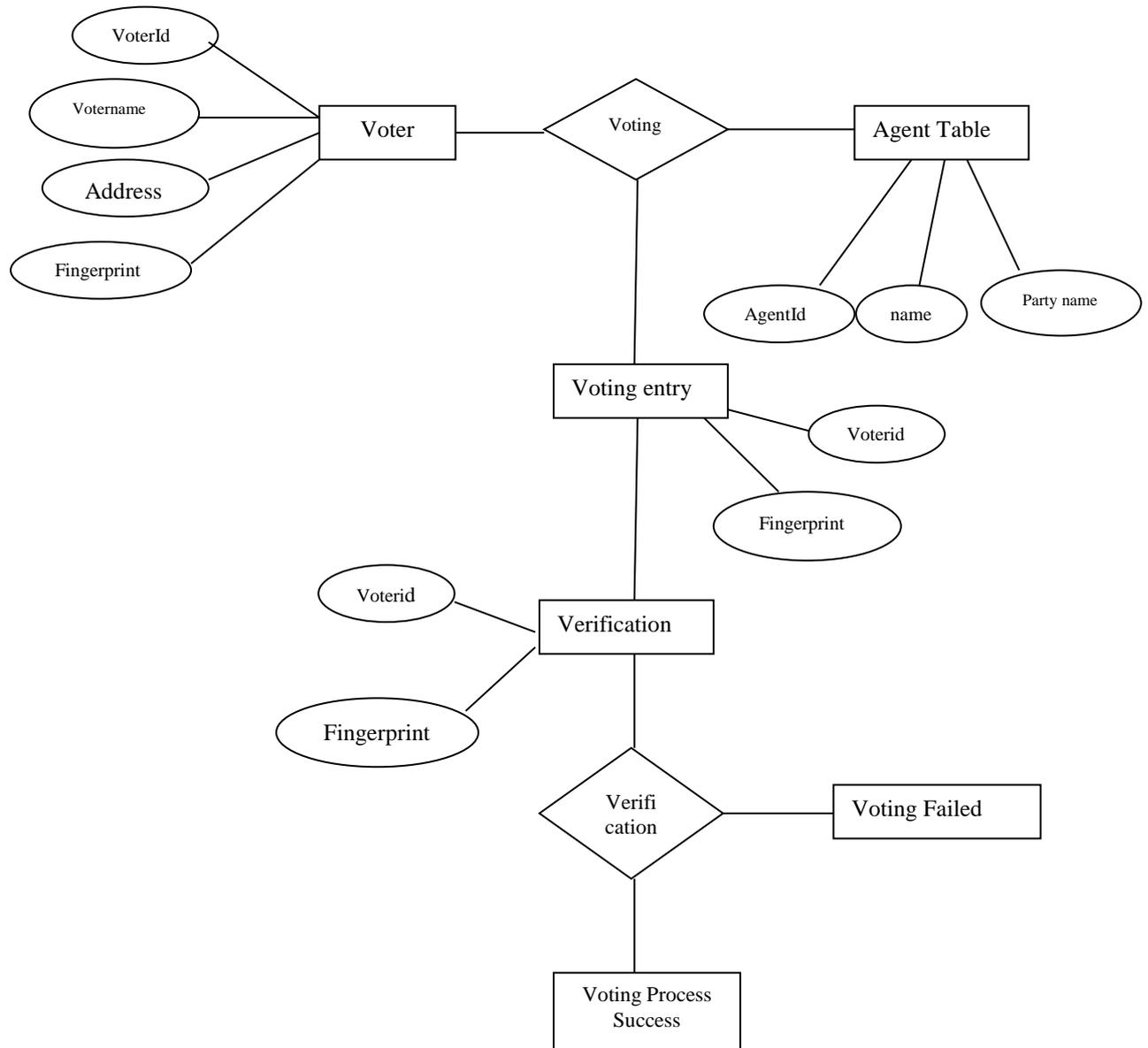
2. PROPOSED SYSTEM

The Voting Software tracks voters time and winners details are. As a result, the software cut down on voters time, safeguards from error, and saves a substantial amount of money that could have been lost due to mishandled time cards and voters mal practicing in companies by team leaders and union leaders   for each other. It is a complete and a cost effective solution for Time & Voting and security.

BENEFITS OF THE PROPOSED SYSTEM

- Large volumes of data can be stored with case
- Maintenance of files is flexible
- Records stored are updated now and then
- Stored data and procedures can be easily edited
- Reports can be generated with case
- Accurate calculations are made
- Less manpower required

3. BLOCK DIAGRAM

4. FINGER PRINT MODULE

Fingkey Hamster™ is a fingerprint recognition device for those computers that are equipped with compact fingerprint recognition Sensor. Whose primary function is for security and convenience. It supports various OS and USB interfaces so that it is suitable for application of PC-infra security solutions.

Features

- Precise user authentication through the distinct algorithm.
- Compact and elegant design, which is more convenient to use.
- Excellent product durability that assures a long life.
- Provides fast matching.

- Provides USB interface.
- Applied to various client/server and internet environment as well as computer security.

Figure 1: Finger print module

5. C# .NET

It is a compatible set of development tools for building ASP web application, XML web services, desktop applications and mobile applications. In addition to building high performing desktop applications, you can use visual studios powerful components based development tools and other technologies to simply team based design, development and deployment of enterprise solutions.

Visual basic .NET, Visual C++ .NET and Visual C# .NET all use the same integrated development environment (IDE), which allows them to share tools and facilities in the creation of mixed language leverage the functionality of the .NET Framework and simplify the development of ASP web applications and XML web services.

Visual studio supports the .NET Framework, which provides a common language runtime and unified programming classes. ASP.NET uses these components to create ASP web applications and XML web services. Also it includes MSDN library, which contains all the documentation for these development tools.

It is the latest version of C#, includes many features. It supports interfaces but not implementation inheritance. It supports implementation inheritance, interfaces and overloading. In addition, it supports multithreading concept.

6. SQL

The OLAP Services feature available in SQL Server version 7.0 is now called SQL Server 2000 Analysis Services. The term OLAP Services has been replaced with the term Analysis Services. Analysis Services also includes a new data mining component. The Repository component available in SQL Server version 7.0 is now called Microsoft SQL Server 2000 Meta Data Services. References to the component now use the term Meta Data Services. The term repository is used only in reference to the repository engine within Meta Data Services

SQL-SERVER database consist of six type of objects,

They are,

- Table
- Query
- Form
- Report
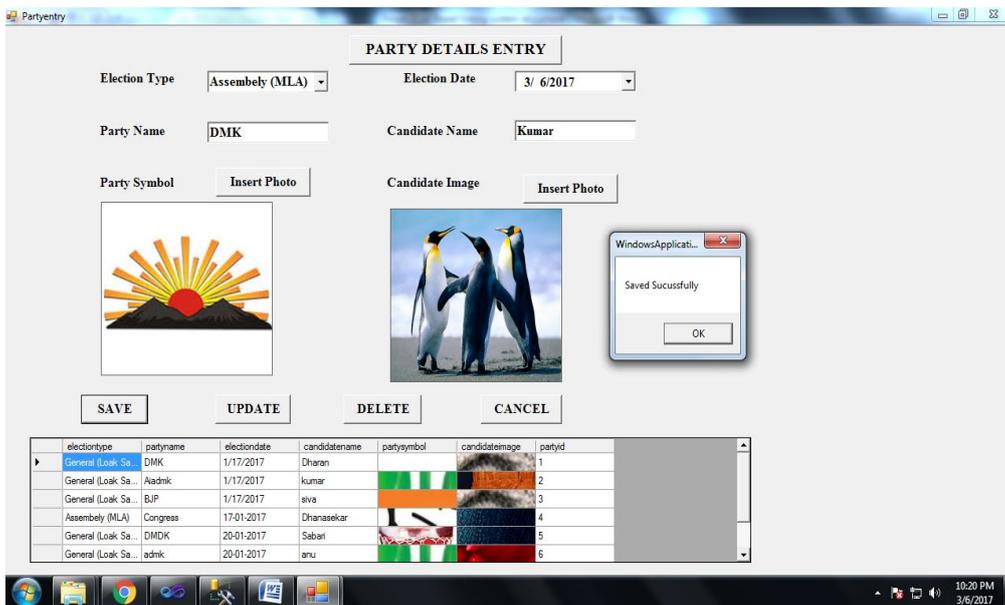- Macro

7. OUTPUT WINDOW
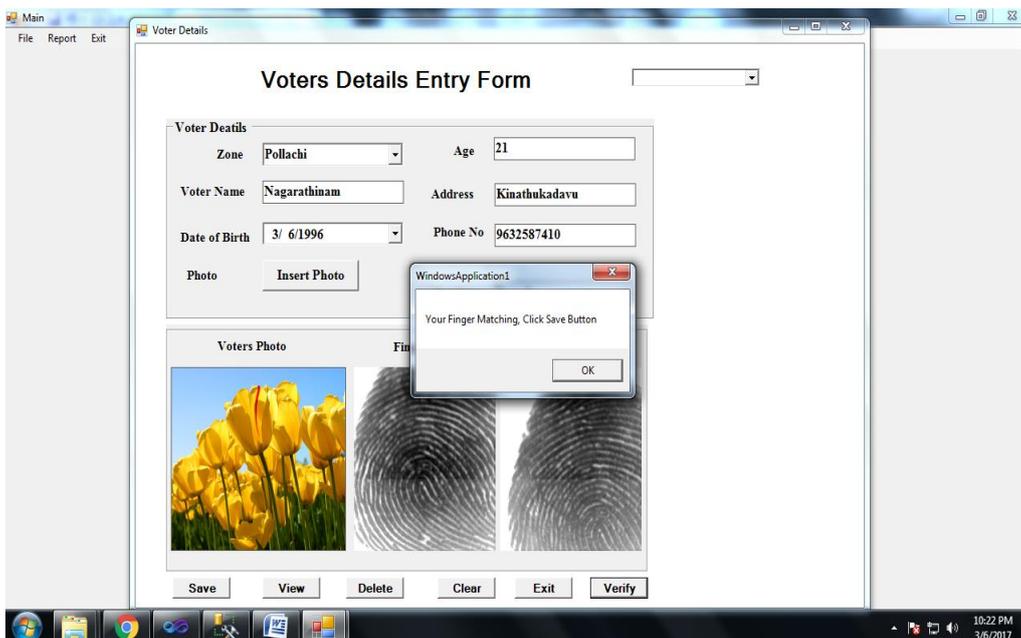

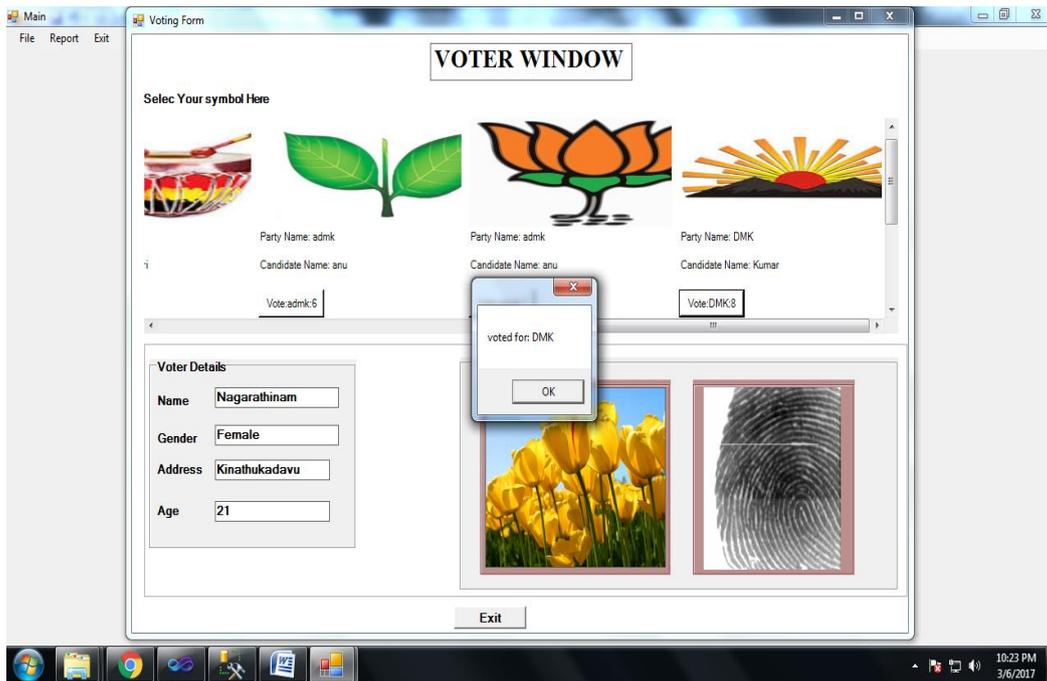Figure 2.1 Party details entry

Figure 2.2 Voter details form
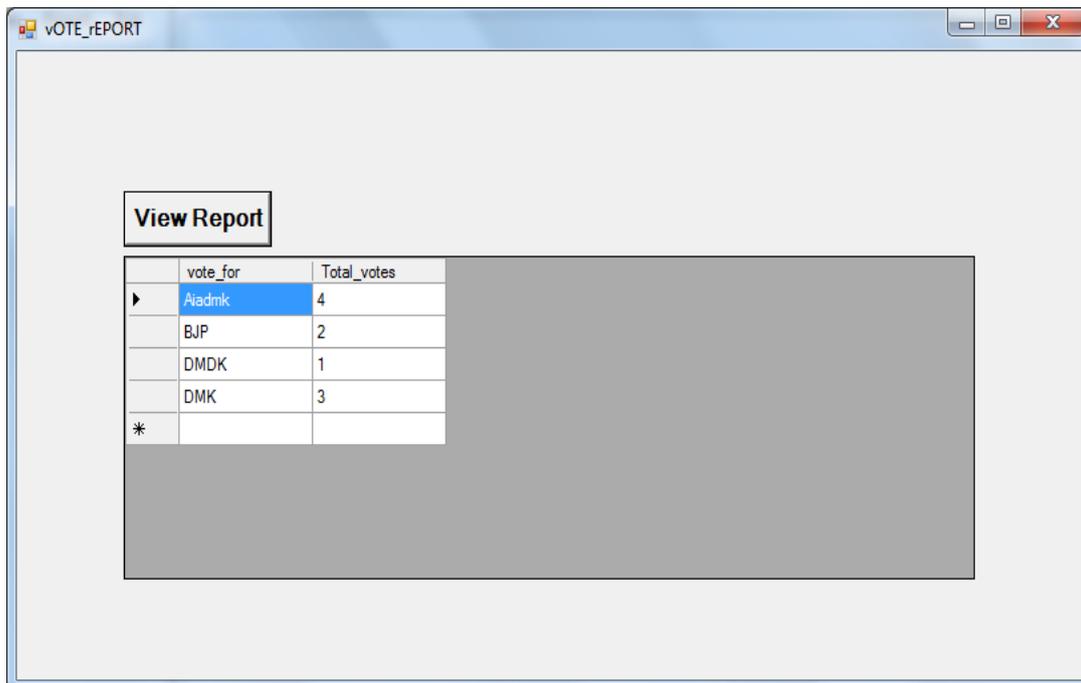
Figure 2.3 Register the vote

Figure 2.4 View the result

8. CONCLUSION

It is concluded that the application works well and satisfy the management. The application is tested very well and errors are properly debugged. The site is simultaneously accessed from more than one system. Simultaneous login from more than one place is tested.

The site works according to the restrictions provided in their respective browsers. Further enhancements can be made to the application, so that the web site functions very attractive and useful manner than the present one. The speed of the transactions become more enough now.

The project is fully user friendly one. So any one of the staff members with little knowledge of computer can handle the software and all the requirements for the user are fully completed.

REFERENCES

[1] Matthew Macdonald, "Microsoft visual basics .NEt" programmers Cookbook, Tata McGraw-Hill Edition.

[2] Chris Goode, John Kauffman, "Beginning ASP.NET 1.0 with visual basic .Net, work programmer to programmer.

[3] Doglas O.Reil."Designing Microsoft asp.net application" Design the frame work application using VB.net

[4] Vikas gupta ".net programming" Book reference published on 2007.

[5] Roger S Pressman "Software engineering" Book reference Fourth Edition.

[6] http://www.instantfundas.com, Website reference.

[7] Aritical.techrepublic.com, Website reference.