**Electronic Voting Machine**

**USERS GUIDE**

*This application is created truly in JAVA ver. 1.7. Same version of java is required to run this application. Running this application on other version may cause program to crash and produce undesired outputs. Please read this users guide installation part before using this program. License is totally open source .Use this program anyway you want. Program along with source code, executables and recommended installation packs are provided. Source code is provided in full for better understanding and usage of program.*

*Please read further for full usage of program and its functions along with services provided*

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**Chapter 1**

**Basic Information**

Electronic Voting Machine, as the name suggests, this program has been officially created for virtual election of *School Leader* and *General Secretary* of institution: St. Xavier’s High School, Siddharth Nagar. This program was created by Aniket Chaudhary, from the same institution, under the guidance of Sir Jino Dominic, one of the best Computer Teacher.

Basically there was no need of this program in institution. Election of leaders and secretaries are done in classical way. But one the Leader of Election commission wanted to change this classical way of election. Votes were taken in the form of paper on which candidate’s name was written by voters. Sometimes voters didn’t write candidate’s name in correct way so that a lot of votes were rejected. Therefore Jino Sir decided to change this classical way of election. He pointed out the best java programmer of institution to make a GUI based virtual Voting Machine. After providing a lot of effort, the program was ready in a month and was successfully passed its tests in front of students and Respected Principal Father Thomas.

This program contains all the function that normal voting machine has. Along with that it also contains advanced features. This program is good virtual replacement of normal voting machines.

**Chapter 2**

**Installation**

Listed below are the necessary requirements to install this program:

* Windows vista ,7,8,8.1(Windows XP may not be supported)
* Java ver.1.7
* Speakers(not requires unless there is need for audio signaling)
* Processor :Pentium 4 or AMD(at least 1.5Ghz)
* Ram: At least 1 GB(DDR2 or DDR3)
* Windows compatible Mouse

Installation of Electronic Voting Machine is very easy.

Below are the steps to install Electronic Voting Machine:

* Open Setup.exe provided to you.
* You will be asked to choose the path where you want to install this program, choose your desired path and click next.
* Next accept the License Agreement.
* After Installation you will be prompted to install java ver.1.7, install it in order to run the program.
* After successful installation a Desktop icon and start menu folder will be created.
* Launch the program and start your election.

After installation you can run Electronic Voting Machine either from Start menu or from Desktop Icon.

If Java is failed to install you can install it manually from the installation Folder

**Chapter 3**

**Features and Their Usage**

***PART 1: FEATURES***

There are many features provided in the program. Many of them are taken from common Voting Machines and some addition features are also provide for correct and safe election

Following is a list of all the available features:

* **GUI:** The main feature of this program is that this totally GUI (Graphical User Interface) based program, so no keyboard commands to run this program, only clicks and clicks.
* **Button System:** This feature is Included for the voters to vote easily for the candidate. After each casting program waits for some time which is defined by a member of election commission, till that time all the button are turned red so that any vote casted during this event is not counted.
* **Sound capability:** Sound capability is given for informing the members of unauthorized access to the system.

*Horn* sound is produced when a single voter tries to cast his vote twice.

*BEEP*  sound is produced when a unauthorized user tries to change configuration of main system.

* **Security:** Most of the attention is given to this feature during development. On each and every step password is required so that unauthorized access cannot change any configuration of system. Passwords are encrypted in different encrypting algorithm.(Default password is “JINO”);
* **Modes:** There are two different modes provide for vote casting:
* **Text Mode:** Text Mode,if selected, buttons will have candidates name.
* **Image Mode:** In this mode buttons which hold the candidate’s name will now carry their profile picture.
* **Basic Features:**
* **Reset (Password Required):** Authorized users can reset the currently voting process.
* **Display Casted Votes (Password Required):** This button on the main screen is provided to see the currently number of casted votes for each candidate.
* **Save The Result (Password Required):** This Option will save the current casted votes along with candidate’s name.
* **Review the last Saved Result (Password Required):** This option will display the last result that was saved using option save the result.
* **Show Candidates Image (Password Required):** This option will show the specified profile picture for each candidate in different Window.
* **Change Password (Password Required):** This option will change the password to user specified password.
* **Change Duration (Password required):** this option will change the current duration between buttons disabling (***TURNING RED***) and enabling for voting ***(NORMAL COLOR)***.
* **Change Background (Password Required):** This option will change the background picture to user specified picture.
* **Edit Candidate’s Profile(Password Required):** This option contains two sub options:
* **Edit Candidate’s Name:** This option will edit Candidates Name that is to be displayed on voting buttons.
* **Edit Candidate’s Profile Picture:** This option will change the profile picture for candidates.

***PART 2: Usage of Features***

* **Starting a new Election:** To start a new election:
* Click on Reset. Enter the password and reset the current voting lines.
* To start Click on any candidates’ name or picture.
* **Changing Mode:** To change the current mode:
* Go to File Menu.
* Select Change Mode option.
* Choose desired mode from the Submenu appears.
* **Reset:** To rest the current voting lines:
* Click on Reset button.
* Enter password and click on OK.
* Reset is done.
* **Save the Result:** To save the Result:
* Go to File menu.
* Select Save the result option.
* Enter password.
* Saving is done.
* **Display the Result:** To Display the current Number of Votes casted:
* Click on Display the result button on Home Screen OR choose Display the result from the view menu.
* Enter the password.
* Dialog will be shown with number of votes casted for each candidate.
* **Review the last saved Result:** To review the last saved Result:
* Go To the view menu.
* Select Review the last saved Result option.
* Enter password.
* Dialog box will be shown with the last saved result.
* **Show Candidate Image:** To View the candidate’s image :
* Go To view menu.
* Select Show Candidates Image option.
* Enter Password.
* A new Window will appear with the candidates profile picture.
* **Edit Candidate’s Name:** To Edit Candidate’s name:
* Go To Edit🡪Edit Candidate’s Profile🡪Edit Candidate’s Name.
* Select the name to be edited.
* Enter the password.
* Enter the name in the dialog box appears
* Click on ok.
* **Edit Candidate’s profile picture:** To Edit Candidate’s Profile picture:
* Go To Edit🡪Edit Candidate’s Profile🡪Edit Candidate’s profile picture.
* Select the name to be edited.
* Enter the password.
* Select the image file in the dialog box appears
* Click on ok.
* **Change password:** To change password:
* Go To Edit🡪Change password.
* Enter password.
* Enter the new password.
* Click on OK.
* **Change Duration:** To Change Duration:
* Go to Edit🡪Change Duration.
* Enter password.
* Enter the duration value.
* Click on Ok.
* **Change Background:** To change the Background image:
* Go to Edit🡪Change Background.
* Enter password.
* Choose the Background Image.
* Click on Ok.

**Chapter 4**

**References**

**Developer:** Aniket Chaudhary.

**Guidance:** Sir Jino Dominic.

**Supporter:** Naved Mehtab Khan.

**Institution:** St. Xavier’s High School.

**Certified By:** Respected Principal Father Thomas (In 2015).

**Chapter 5**

**Contact Info**

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