

EMS

User Manual

ELECTION MANAGEMENT SYSTEM

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Documentation Development Team

1. Mr. Kedar Kumar
2. Mr. Iqubal Ahmad
3. Mr. Ch. Maqbool Alam
4. Mr. Aqueel Ahmad Khan
5. Mr. Md. Azam

For Suggestion/Query Mail Us at : amuedrp@gmail.com

IITK EMS Project EdRP URL : <https://202.141.40.218:8443/EMS>

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1.1 Prerequisite software/Installation Manual

Election Management System is a n-tier, client-server application. The figure below shows how the application is tiered or segmented into different layers. We Follow MVC Architecture for Web Application Development as follows.

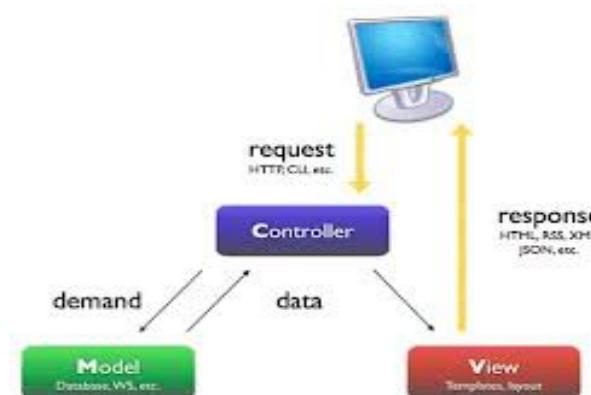


Fig 1.1: Basic Architecture of web application

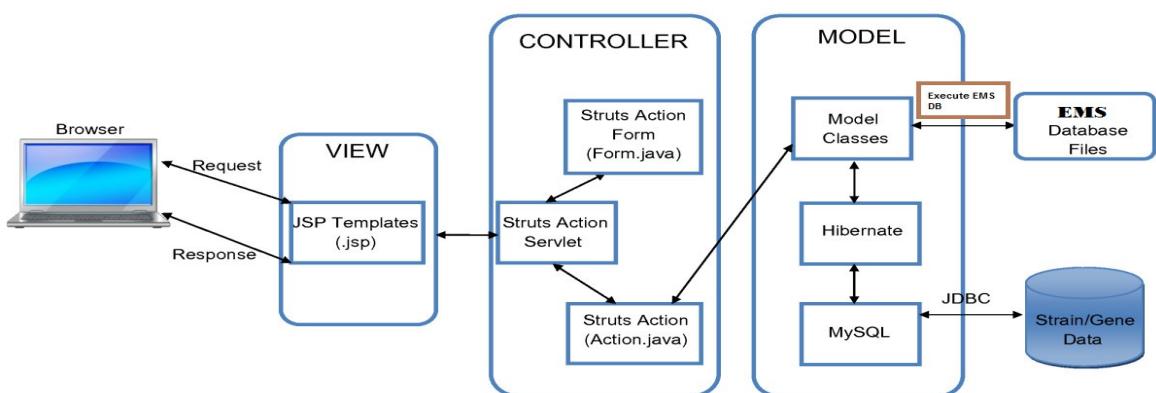


Fig 1.2: Struts Framework Architecture of EMS Project

1.2 Hardware and software prerequisites

The installation of the database server, application server, and the EMS application programs is done on one or more server machines.

The servers could be any of the following:

A server at a public domain web site, LAN/Intranet server, or a standalone machine.

The standalone or LAN/Intranet version uses the MySQL as the database server and this can run under Windows 2000 Professional, Windows XP Professional or RedHat Linux 9.0/Fedora 14/CentOS 5/Ubuntu 10 and above.

Client PCs or workstations for Institute staff to use the functional modules of EMS will require to install a Jdk 1.7. This is done by installing it from the Java web site client machines are defined: 1. Institute clients and 2. End-user clients. Institute clients must be at least PIII machines with at least 700 MHz clock speed, with 128 MB RAM. End-user clients could be even 486 machines with at least 64 MB RAM.

Web servers for the Networking/Consortium version or the LAN/Intranet versions of EMS should be at least P4 servers with a minimum of 1024 MB RAM. The higher the configuration the better the performance for Institute functionality

1.3 Software Requirements & Installation GuideLines

1. Java 1.6
2. Tomcat 6.0
3. Ant 1.7
4. Mozilla Firefox

JAVA INSTALLATION

For Linux OS

a) Debian, Ubuntu

Click on Application->Accessories->Terminal

On the command line, type:

\$ sudo apt-get install openjdk-6-jre

b) Fedora, Oracle Linux, Red Hat Enterprise Linux, etc.

On the command line, type:

\$ su -c "yum install java-1.6.0-openjdk"

For Further Ref Click here : <http://openjdk.java.net/install/>

c) For Window OS

You can download the latest version of jdk from

<http://java.sun.com/javase/downloads/index.jsp>.

Once you download the exe file you can now install it.

To install the jdk, double click on the downloaded exe file
(jdk-6u1-windows-i586-p.exe)

APACHE TOMCAT INSTALLATION

a) For Linux OS

Step 1: Download Tomcat 6.0.18 from <http://tomcat.apache.org/download-60.cgi> and download the Binary Distribution.

Step 2: Extract it with

```
$tar xzvf apache-tomcat-6.0.18.tar.gz
```

Step 3: Test Tomcat

Start Tomcat with:

```
/home/user/apache-tomcat-6.0.18/bin/startup.sh
```

Hit <http://localhost:8080>.

If all is fine you should see the Tomcat homepage.

b) For Windows OS

Step 1: Download Tomcat 6.0.18 from the given link

<http://tomcat.apache.org/download-60.cgi>

Step 2: Install it by double click on it and specify the location where you want to
Install it

Step 3: Test Tomcat

Start Tomcat by Double Click on

C:\ApacheSoftwareFoundation\Tomcat Server 6.0\bin\startup.exe

Open Browser and Hit <http://localhost:8080>.

If all is fine you should see the Tomcat homepage.

For Further ref Click here: <http://tomcat.apache.org/download-60.cgi>

ANT INSTALLATION

1. Download the Apache Ant binary release from <http://ant.apache.org/bindownload.cgi>.
2. Once it is downloaded, extract it in a preferred installation location, such as C:\Program Files\Apache\Ant\ for Windows or /opt/apache-ant-1.8/ for Linux.
3. Add the ANT_HOME Environment Variable
4. Create an environmental variable called ANT_HOME. This variable has to contain the path created in the previous step.
5. To do this on Red Hat Enterprise Linux, add the following line to the `~/.bash_profile` file, substituting the path below with that which you created in the previous step.
`export ANT_HOME=/opt/apache-ant-1.7.1`
6. On Microsoft Windows, do this by click on the Start Menu, opening the Control Panel and selecting System -> Advanced -> Environment Variables.
7. Create a new variable, call it ANT_HOME and configure it to point to the directory you created in the previous step.
8. Include bin in the PATH
9. Append the Ant installation's bin directory to the PATH environmental variable.
10. On Unix/Linux systems, do this by adding the following line to the `~/.bash_profile` file. (Put it after the one which sets the ANT_HOME variable):
`export PATH=$PATH:$ANT_HOME/bin`
11. On Microsoft Windows, do this task by opening the Control Panel and selecting System -> Advanced -> Environment Variables -> System Variables. Edit the PATH

- variable and append the text ;%ANT_HOME%\bin.
12. To test the Apache Ant installation, run `ant -version` from a terminal. The output should look similar to this:
- ```
$ ant -version
Apache Ant version 1.7 compiled on June 27 2008
```

## MYSQL INSTALLATION

### FOR LINUX OS

To install, use the `yum` command to specify the packages that you want to install. For example:

```
root-shell> yum install mysql mysql-server mysql-libs mysql-server
```

MySQL and the MySQL server should now be installed. A sample configuration file is installed into `/etc/my.cnf`. An init script, to start and stop the server, will have been installed into `/etc/init.d/mysqld`. To start the MySQL server use service:

```
root-shell> service mysqld start
```

To enable the server to be started and stopped automatically during boot, use `chkconfig`:

```
root-shell> chkconfig --levels 235 mysqld on
```

Which enables the MySQL server to be started (and stopped) automatically at the specified the run levels.

The database tables will have been automatically created for you, if they do not already exist. You should, however, run [mysql\\_secure\\_installation](#) to set the root passwords on your server.

Default port of MySQL is 3306

For Futher Details Click here :

<http://dev.mysql.com/doc/refman/5.1/en/linux-installation-native.html>

### For Window OS

Step 1: Download MySQL Server for Windows from the given link

<http://dev.mysql.com/downloads/mysql/>

Step 2: Install it by double click on it and Follow the Steps.

Step 3: Please Specify root password there

## 1.4 EMS Deployment/Installation under the Window-32/Linux operating systems

This document describes procedure to install EMS on any Linux machine.

### Step for Installation of Election Management System

1. You must install tomcat application server version 6.0 onwards,  
download from <http://tomcat.apache.org/>
2. You must install ant 1.6 onwards,  
download from <http://ant.apache.org/>
3. You must install mysql 5 or onwards,  
download from <http://dev.mysql.com/downloads/>
4. Download source code from sourceforge.net or our svn repository,  
download from <http://sourceforge.net/projects/brihaspati>  
or svn co <http://brihsvn.iitk.ernet.in/repos/amuedrp/trunk/EMS>
5. Set the context for project in `context.xml` at your application server

```

<?xml version="1.0" encoding="UTF-8"?>
<Context antiJARLocking="true" path="/EMS">
 <Resource name="jdbc/emsitk" type="javax.sql.DataSource">
 maxActive="1" maxIdle="0" maxWait="-1"
 username="xxxx" password="xxxxxxxx" driverClassName="com.mysql.jdbc.Driver"
 url="jdbc:mysql://localhost:3306/emsitk"/>
 <Environment name="contextConfigLocation" value="WEB-INF/webapps/EMS" type="java.lang.String" override="false"/>
</Context>

```

Fig 1.3 : context.xml configuration

6. create database emsiitk & Run sql script in mysql database for creating tables
7. run ant command in side EMS dir. this will generate war file
8. Start application server and deploy this war file on server
9. Access application via this URL  
<http://servername:portname/EMS>

## 1.5 Overview of Election Management System

1. EMS is a multi-institutional and multi-lingual election management system. It is a role-based access system. In future system will support both the Bio-metric Authentication mode as well as Unique id (UID) authentication mode and provide the mailing notice facility to its users.
2. Elaborating the term multi-institutional means that the system is running on one server namely IITK server and any interested institute wishes to use it can send request to have an account to access the system, irrespective of its local requirements like database server, local server. The system is running as a service on IITK server and interested institution can use all the services provided by the system free of cost. System can also be installed locally if someone wants to install.
3. The term multi-lingual means the system provies the user with interfaces in different languages thus breaking the barrier of language boundation and having the essence of truely local.
4. EMS is a Web-based application. Databases created with EMS reside on web servers and can therefore be accessed by any client machine connected to the Internet. However, there Can local installations which do not need to run as applications requiring access to the web. In such case, the databases reside on local area network (LAN) or Intranet severs
5. EMS uses Relational Database technology to manage databases created with it. EMS used under open source RDBMS such as MySQL. The current version of EMS that this tutorial addresses is targeted to Institute of all kinds. Currently the System support general voting process. In future System facilitate Preferential Voting Process.

6. Voter Authentication for Voting Process is currently addressed in a way that One time key is sent to All Eligible voter . Only One Time Holder can vote in the running elections. In future System target Biometric Authentication Process also.
7. EMS allows configured with SSL https protocol for Implementing Security

Functional modules in Election Management System.

1. Web admin
  2. Chief Election officer
  3. Election Manager
  4. Voter
  5. Candidate
1. **Web-admin** is the person who manages the EMS on server side. He receives registration requests from different institutes who wish to use the services of EMS. web-admin has the privileges to accept or reject requests for registration from any institute after verification. web-admin can reset the password of users on their request.
  2. **Chief Election Officer** is the authority of any institute who will manage the whole election process. Institute admin works as a chief election officer and can create Election Manager i.e. Election Officer for the managing particular election process. This module helps in managing Election Manager Registration, Block Election Managers Account.
  3. **Election Officer** can create, open and close elections. Election Manager will be able to manage requests of voters and candidates for registration. It will be the responsibility of Election Manager to authenticate voters, candidates and publish the result on time. This modules facilitate to upload Bulk data of voters as well as candidates. Election Manager is responsible to send user-id and password, which is system generated, to its voters and candidates.
  4. **Voters/Candidate** may register themselves online and cast their votes. Voters can register themselves as a candidate and able to manage their account in a restricted manner. Voters will be able to interact with candidates online using services like Blog, Chat, bulletin boards, etc. Voters gets a one time password for each election which is system generated and valid for a particular election.being a Candidates voter can file nomination for a particular post in a election declared by the Election Manager online. Candidates will be able to campaign online and cast their vote in secure manner.

## Chapter 2: Web Admin Module

### Index

- 2.1 Web-admin Home page UI
- 2.2 View Pending List/Approval of Institute's
- 2.3 View Approved List
- 2.4 View All
- 2.5 Modify Institute Record
- 2.6 Search Institute
- 2.7 Delinquent Institute List
- 2.8 Change Working Status
- 2.9 Manage Web Admin Account
- 2.10 Manage SMTP Mail Server Setting
- 2.11 Reset Login Password

### 2.1 Web-admin Home page UI

Web admin is the person who manages the EMS on server side. He receives registration requests from different institutes who wish to use the services of EMS. Web admin has the privileges to accept or reject requests of registration from any institute after verification.

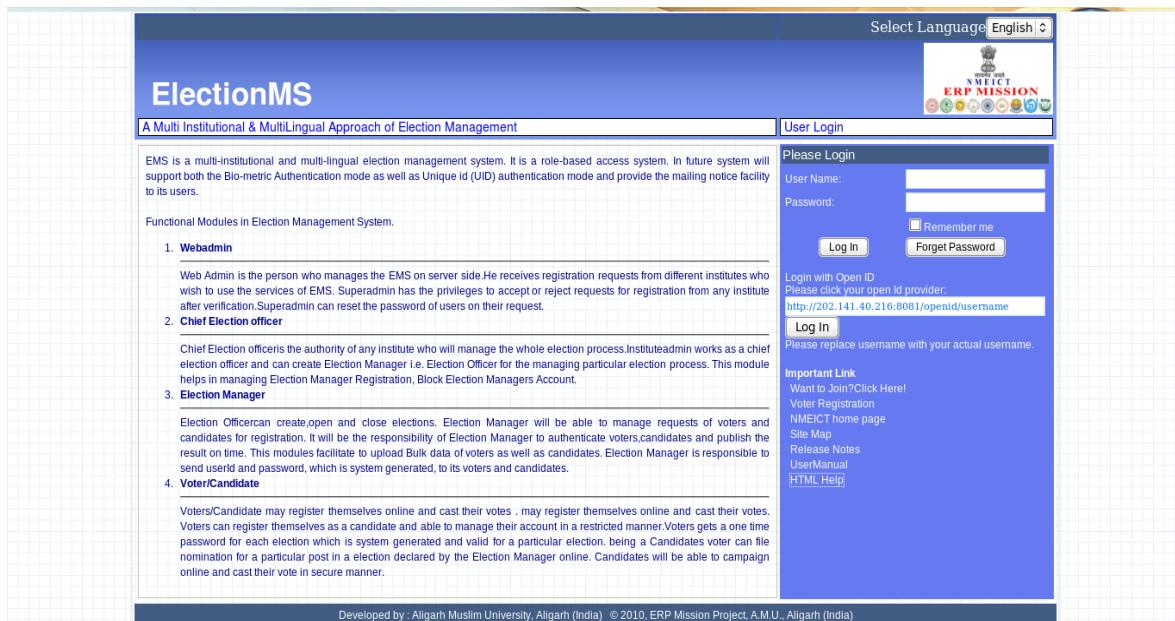


Fig 2.1 EMS home page

After Accepting registration request of institute, a user name and password will be provided on the email address of the institute. Web Admin can login into system by filling user name and password. On successful login Home Screen for Web admin appears.

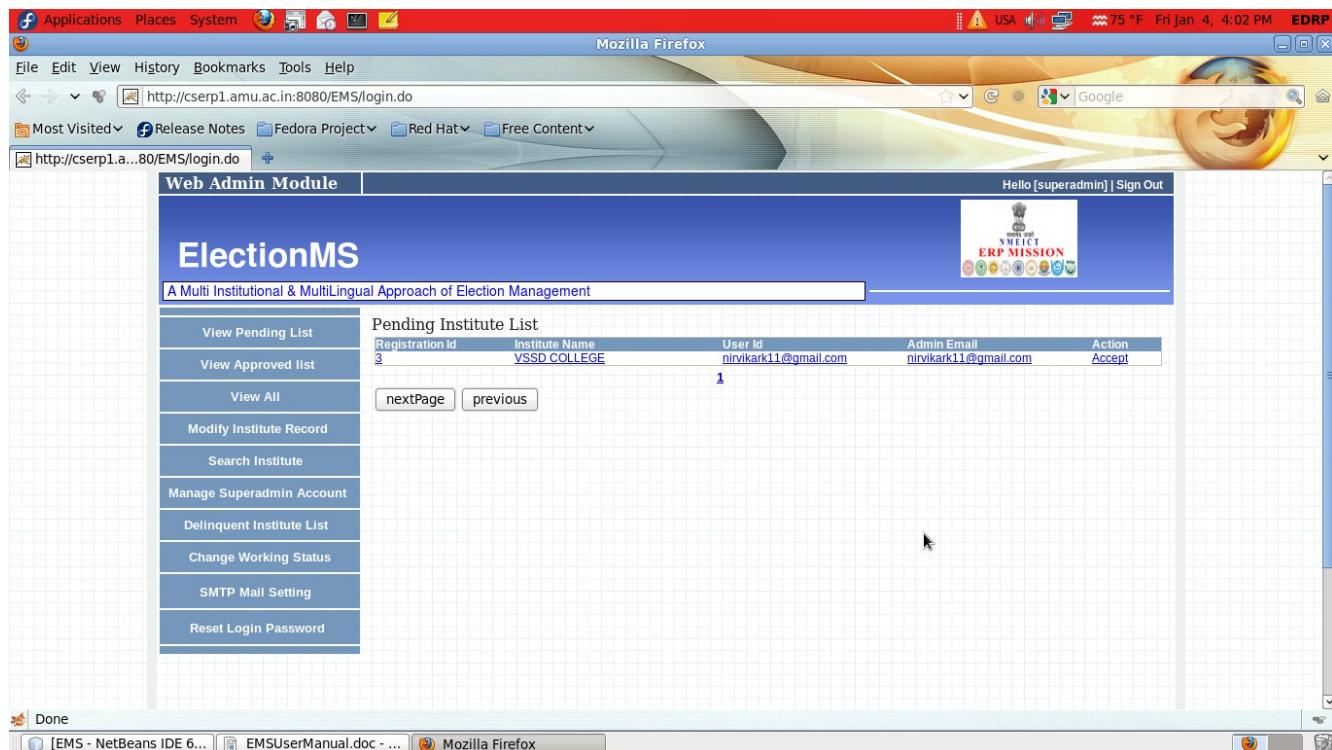


Fig 2.2 Web admin Home page UI

## 2.2 View Pending List/Approval of Institute's

This Link provide the facility to find the pending Institute Request. Approved the request with Unique Institute\_ID.

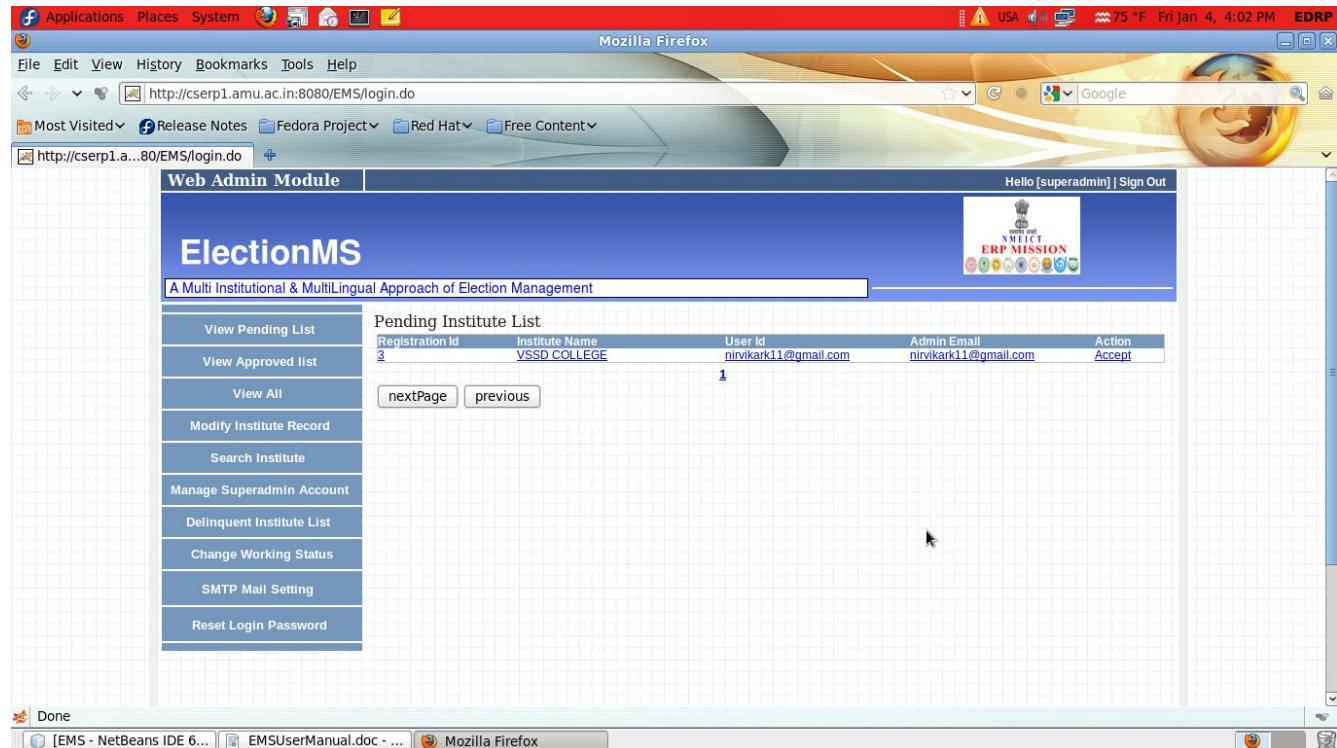


Fig 2.3 View Institute's Pending List

Click on above pending Institute List redirect to given page below.

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Fig 2.4 Accept/reject Institute's Request

Specify Institute ID & click on accept button.

### 2.3 View Approved List

Click on above link to view all approved Institute List.

| Registration Id | Institute Name               | Admin Email              |
|-----------------|------------------------------|--------------------------|
| 1               | Vaish College of Engineering | drashutoshngam@gmail.com |
| 2               | AKG engg                     | raghusaw@yahoo.com       |
| 4               | Vinoba Bhave University      | kedar9002@gmail.com      |

Fig 2.5 View All Approved Institute's Details

### 2.4 View All

Click on above link to view Institute List ( Approved/ Pending).

**Note : It will show Block Institutes details in this link**

| Registration Id | Institute Name               | Admin Email               | Status        |
|-----------------|------------------------------|---------------------------|---------------|
| 1               | Vaish College of Engineering | drashutoshnigam@gmail.com | Registered    |
| 2               | AKG engg                     | raghusawd@yahoo.com       | Registered    |
| 3               | VSSD COLLEGE                 | nirvikark11@gmail.com     | NotRegistered |
| 4               | Vinoba Bhave University      | kedar9002@gmail.com       | Registered    |

Fig 2.6 View All Institute's Details

## 2.5 Modify Institute Record

In case to update record of any Institute details web admin can click on Modify Institute Record

| Registration Id | Institute Name               | Admin Email               | Status        |
|-----------------|------------------------------|---------------------------|---------------|
| 1               | Vaish College of Engineering | drashutoshnigam@gmail.com | Registered    |
| 2               | AKG engg                     | raghusawd@yahoo.com       | Registered    |
| 3               | VSSD COLLEGE                 | nirvikark11@gmail.com     | NotRegistered |
| 4               | Vinoba Bhave University      | kedar9002@gmail.com       | Registered    |

Fig 2.7 Update Institute's Details

## 2.6 Search Institute

Web admin can search Institute by simply entering the starting key word of institute into corresponding text field.

The screenshot shows the 'Web Admin Module' interface for 'ElectionMS'. On the left, a sidebar lists various administrative functions: View Pending List, View Approved List, View All, Modify Institute Record, Search Institute, Manage Superadmin Account, Delinquent Institute List, Change Working Status, SMTP Mail Setting, and Reset Login Password. The main area is titled 'Institute Search' and contains a search bar with the value '102'. Below the search bar are 'Sort By' and 'Field' dropdown menus set to 'Institute Name'. A 'View Next' button with a value of '10' is also present. A table displays the search results:

| Registration Id | Institute Name | Admin Email        | Institute Id | Status     |
|-----------------|----------------|--------------------|--------------|------------|
| 2               | AKG engg       | raghusaw@yahoo.com | 102          | Registered |

At the bottom of the page, a footer bar states: 'Developed by Aligarh Muslim University, Aligarh (India) © 2010, ERP Mission Project, A.M.U., Aligarh (India)'.

Fig 2.8 Search Institute's Details

## 2.7 Manage Web admin Account

In case if web admin want to change their password click on given link.

The screenshot shows the 'Web Admin Module' interface for 'ElectionMS'. The sidebar includes the same list of functions as Fig 2.8. The main area is titled 'Super Admin Account' and contains a form with fields for Old Login Id (superadmin), New Login Id, Old Password, New Password, and Re-Enter Password. There are 'Change Password' and 'Clear' buttons at the bottom of the form. The footer bar is identical to Fig 2.8.

Fig 2.9 Change Web Admin Password

## 2.8 Delinquent Institute List

An institute blocked by Web admin is delinquent institute. Web admin can view the list of delinquent institutes .

| Registration Id | Institute Name               | Admin Email               | Status     | Working Status |
|-----------------|------------------------------|---------------------------|------------|----------------|
| 1               | Vaish College of Engineering | drashutoshnigam@gmail.com | Registered | Blocked        |

Fig 2.10 View All Blocked Institute's Details

## 2.9 Change Working Status

Web admin has the authority to change the working status of Institute. For e.g. From Institute's "OK" status to "Blocked" by clicking on action Change status.

| Registration Id | Institute Name               | Admin Email               | Working Status | Action        |
|-----------------|------------------------------|---------------------------|----------------|---------------|
| 1               | Vaish College of Engineering | drashutoshnigam@gmail.com | Blocked        | Change Status |
| 2               | AKG enng                     | raghusaw@ yahoo.com       | OK             | Change Status |
| 3               | Vinobha Bhave University     | kedar9002@gmail.com       | OK             | Change Status |

Fig 2.11a) View All Blocked Institute's Details

Institute Details

|                        |                              |                 |                           |
|------------------------|------------------------------|-----------------|---------------------------|
| Institute Name         | Vaish College of Engineering | Registration Id | 1                         |
| Institute Abbreviation | VCE                          | Courtesy        |                           |
| Institute Address      | Near Railway Station Rohtak  | First Name      | Ashutosh                  |
| Last Name              | Nigam                        | User Id         | drashutoshnigam@gmail.com |
| City                   | Rohtak                       | Designation     | Associate Prof            |
| State                  | Haryana                      | Mobile No       | 9996015869                |
| Country                | India                        | Email Id        | drashutoshnigam@gmail.com |
| Pin                    | 124001                       | Gender          | Male                      |
| Landline No            |                              |                 |                           |
| Type of Institute      | Self Financed                |                 |                           |
| Institute Domain       |                              |                 |                           |
| Website Name           | www.vcengg.com               |                 |                           |
| Institute Id           | vce101                       |                 |                           |
| Working Status         | Ok                           |                 |                           |

Accept Back

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Fig 2.11 b) Change Institute's Status

By selecting working status either OK or Blocked Web admin can update status of institute by clicking accept button. Consequently working status will be changed as “Block”. after accepting a pop-up with message “working status changed successfully” will be displayed.

Working Status Changed successfully  
Institute Id :vce101  
Institute Name :Vaish College of Engineering  
Working Status:OK

The page at http://cserp1amu.ac.in:8080 sa

Working Status Changed successfully

OK

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Fig 2.11 c) Change Institute's Status

## 2.10 SMTP Mail Setting

This Link is use to set your SMTP Mail Setting Information for Local Installation only.

Fig 2.12 SMTP Mail Setting for Local Installation of EMS

## 2.11 Reset Login Password

The above link is used by web admin to reset any user password if requested. New password sent to concern user email id.

Fig 2.13 Reset Login password

## Chapter 3: Chief Election Officer/ Institute Admin Module

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- 3.1 How to send Institute Request?*
- 3.2 Create Election Officer*
- 3.3 View Election Officer*
- 3.4 Modify Election Officer Details*
- 3.5 View All Elections*
- 3.6 View All Voters*
- 3.7 Block Voter from Voting Process of any running election*
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- 3.11 Migrate Election Officer*
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- 3.13 Set Election Officer Mail Body*
- 3.14 View CEO profile*
- 3.15 View CEO Password*

#### **3.1 How to Send Institute Request?**

In case to use EMS any Institute need to sent their Institute Request to EMS System.  
On the home page click on [Want to Join? Click here](#) link.

Fig 3.1 Institute Registration Form

| Institute Registration                                                        |                           | Fields marked with (*) are compulsory |  |
|-------------------------------------------------------------------------------|---------------------------|---------------------------------------|--|
| Institute Name*                                                               | Aligarh Muslim University |                                       |  |
| Institute Abbreviation                                                        | AMU                       |                                       |  |
| Institute Address*                                                            | University Circle         |                                       |  |
| Country*                                                                      | India                     |                                       |  |
| State*                                                                        | Uttar Pradesh             |                                       |  |
| City*                                                                         | Aligarh                   |                                       |  |
| Pin                                                                           | 202002                    |                                       |  |
| StaffID/Enrollment*                                                           | 12287                     |                                       |  |
| Courtesy                                                                      | Mr                        |                                       |  |
| First Name*                                                                   | Kedar                     |                                       |  |
| Last Name*                                                                    | Kumar                     |                                       |  |
| Gender*                                                                       | Male                      |                                       |  |
| Designation                                                                   | CEO                       |                                       |  |
| Landline No                                                                   |                           |                                       |  |
| Mobile No*                                                                    | 8439085890                |                                       |  |
| Type of institution*                                                          | Government                |                                       |  |
| Website Name                                                                  | http://wwwamu.ac.in       |                                       |  |
| Email Id*                                                                     | kedar9002@gmail.com       |                                       |  |
| <input type="button" value="Register"/> <input type="button" value="Cancel"/> |                           |                                       |  |

Fill the above form along with valid Email Id and click on Register Button.

This request will be send to Web Admin of EMS System. This is not final registration; first

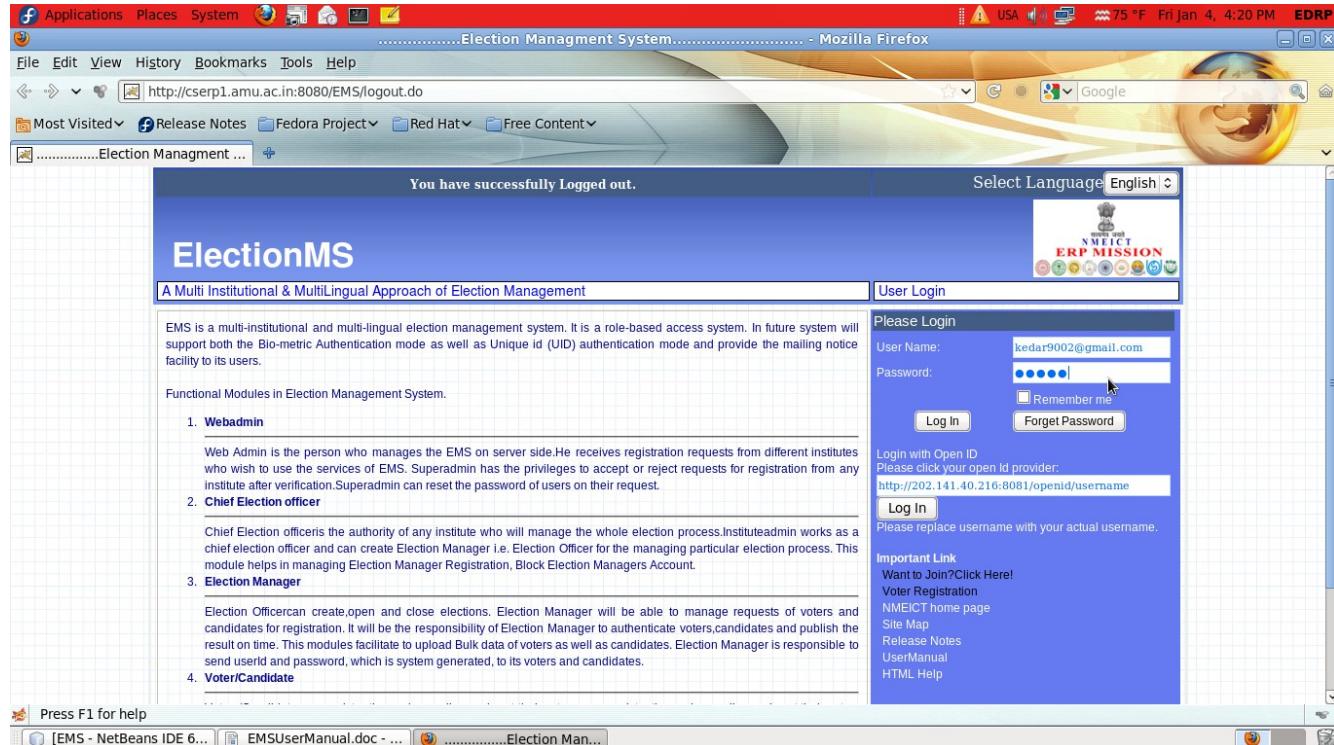


Fig 3.2 Institute Admin Login from EMS Home page

Web admin will examine whole detail that is given in registration form. After examining, Web admin has authority to accept or reject the request. If he accept the request, a user name and password will be send to the institute's admin email id.

With given user name and password institute admin can login into system.

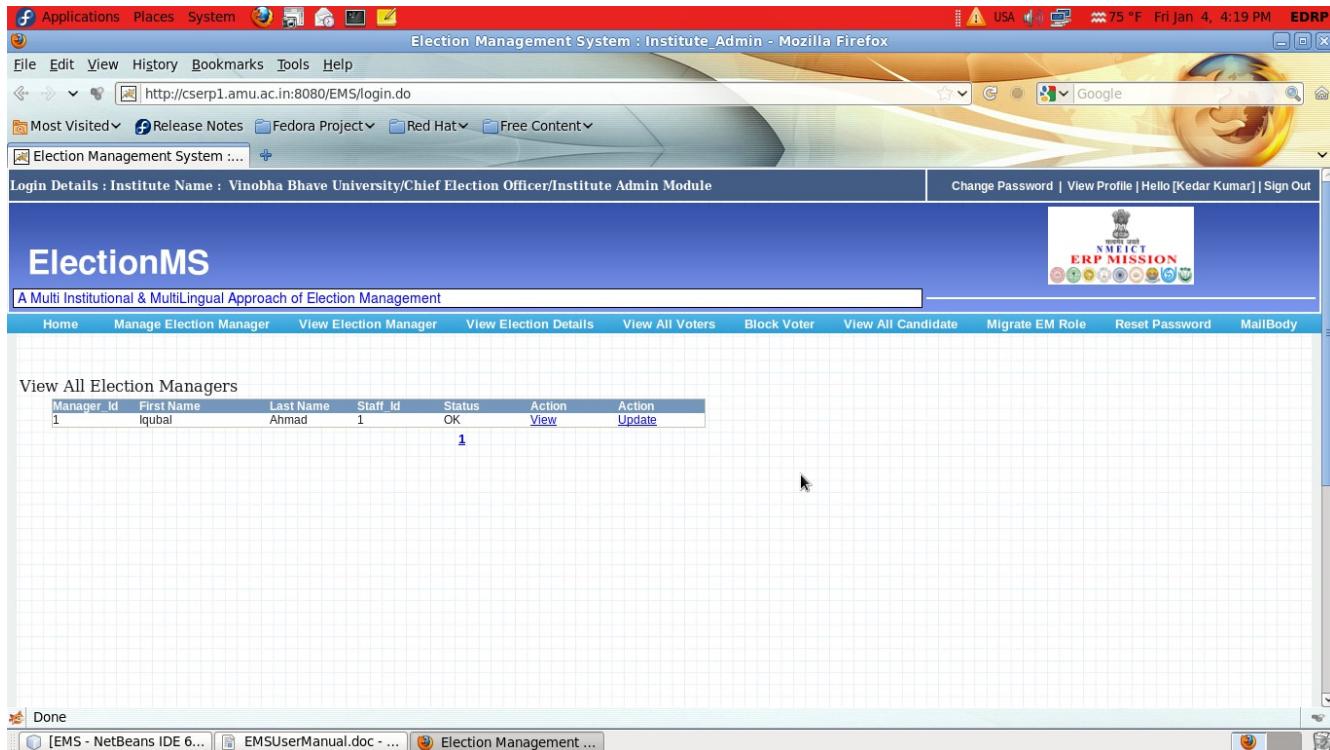


Fig 3.3 Institute Admin Login Home page

**Note :If Web admin has blocked the working status of institute, No one from the institute can log into EMS system.**

### 3.2 Create Election Manager/Officer

Simply clicking “Manage Election Manager->Create Election Manager” on Menu Bar,

ELECTION MANAGER DETAILS

|             |                 |
|-------------|-----------------|
| First Name* | kedar           |
| Last Name*  | kumar           |
| Address     | Dept of CS      |
| City        | ALIGARH         |
| State       | UP              |
| Pin         | 202002          |
| Country     | INDIA           |
| Gender      | MALE            |
| Office No*  | 05716767677     |
| Mobile No   |                 |
| Email Id*   | kedar@gmail.com |
| Department  | Dept of CS      |

Submit Cancel Reset

Fig 3.4 Create Election Officer Form

The page at <http://cserp1.amu.ac.in:8080> says:

Record Inserted Successfully and The Mail of Confirmation Sent Successfully

OK

Fig 3.5 Confirmation Page of Create EO

After submitting detail, a user id and password for election manager will be sending to his email id.

### 3.3 View Election Officer

CEO/Institute admin can view All Election Officers and can view Details of them from View Election Manager → View Active Link

| Manager Id | First Name | Last Name | Staff Id | Status | Action               | Action                 |
|------------|------------|-----------|----------|--------|----------------------|------------------------|
| 1          | Iqubal     | Ahmad     | 1        | OK     | <a href="#">View</a> | <a href="#">Update</a> |
| 2          | kedar      | kumar     | 2        | OK     | <a href="#">View</a> | <a href="#">Update</a> |

Fig 3.6 View All Election Officer

### 3.4 Update Election Officer

For updating any Election Officer record click on update Link in the above Screen Shot. It will redirect to given page.

A Multi Institutional & MultiLingual Approach of Election Management

ELECTION MANAGER DETAILS

|             |                  |
|-------------|------------------|
| First Name* | kedar            |
| Last Name*  | kumar            |
| Address     | Dept of CS       |
| City        | ALIGARH          |
| State       | UP               |
| Pin         | 202002           |
| Country     | INDIA            |
| Gender      | MALE             |
| Office No*  | 05716767677      |
| Mobile No   |                  |
| Email Id*   | kedar@gmail.com  |
| Department  | Dept of CS       |
| Password*   | •••••••••••••••• |

Update Back

Fig 3.7 Update Election Officer

### 3.5 View All Election's Details

if institute admin want to see about the status of All election's , he should simply click on view election detail.

Log in Details : Institute Name : Vinobha Bhave University/Chief Election Officer/Institute Admin Module | Change Password | View Profile | Hello [Kedar Kumar] | Sign Out

ElectionMS

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| Field                     | Value              | Action |         |      |         |           |         |                |
|---------------------------|--------------------|--------|---------|------|---------|-----------|---------|----------------|
| Enter Starting Keyword(s) |                    | Clear  |         |      |         |           |         |                |
| Sort By                   |                    |        |         |      |         |           |         |                |
| Field                     | Electon Id         |        |         |      |         |           |         |                |
| Election Id               | vbu election       | closed | Action  | View | Action  | Cast Vote | Action  | Preview Ballot |
| 2                         | vbu board election | closed | Results | View | Results | Cast Vote | Results | Preview Ballot |

Fig 3.8 View All Election's Details

**3.5.1 View Link** Chief Election Officer can view election parameter set by election officer on clicking on view link from grid.

The screenshot shows the 'ElectionMS' application interface. At the top, there is a navigation bar with links: Home, Manage Election Manager, View Election Manager, View Election Details, View All Voters, Block Voter, View All Candidate, Migrate EM Role, Reset Password, and MailBody. There is also a search bar for 'Search Election' and a keyword entry field 'Enter Starting Keyword(s)' with a 'Clear' button. On the right side of the header, there is a logo for 'NMEICT ERP MISSION'.

The main content area is titled 'Election Details' and displays the following information:

- Election\_Id:** 21
- Election\_Name:** Student Union Election 2013
- Description:** Name your election: (ex. "Board of Directors Election 2009")
- Details:**
  - Nomination start date and time:** (Nominations opens and announcement are emailed)\*  
2013-01-01 15:25:00.0
  - Scrutiny start date and time:**  
2013-01-03 19:25:00.0
  - Nomination Withdrawl start date and time:**  
2013-01-05 15:25:00.0
  - Election start date and time:** (voting opens and announcement are emailed)\*  
2013-01-07 15:25:00.0
  - Nomination end date and time:** (Nominations closed)\*  
2013-01-02 18:25:00.0
  - Scrutiny end date and time:**  
2013-01-04 15:25:00.0
  - Nomination Withdrawl end date and time:**  
2013-01-06 15:25:00.0
  - Election end date and time:** (voters can no longer cast ballots and results are emailed)\*  
2013-01-08 15:25:00.0
- Result can be declared by Election Officer after this date and time.

After clicking on this link Chief Election officer can see election information as shown below

Fig 3.9 View Election details

**3.5.2 Result** Chief Election Officer can view election result of closed election .

After clicking on election result link he/she can see the result ballot of closed election only.

**For Download Result in PDF Format [Click here](#)**

| FinalPreference2012       |                 |                 |
|---------------------------|-----------------|-----------------|
| Position: IqbalPos1       | No of Choice: 6 |                 |
| Candidate ID/EnrollmentNo | Candidate Name  | Number of Votes |
| voter100                  | AllaRakha       | 3               |
| Enroll30                  | hissb           | 3               |
| Enroll6                   | B               | 3               |
| Enroll7                   | C               | 3               |
| Enroll8                   | D               | 3               |
| Enroll32                  | Yug1            | 3               |
| Enroll5                   | A               | 3               |
| Enroll9                   | E               | 3               |

| Position: kedarpot        |                |                 |
|---------------------------|----------------|-----------------|
| Candidate ID/EnrollmentNo | Candidate Name | Number of Votes |
| Enroll6                   | B              | 3               |
| Enroll7                   | C              | 3               |
| Enroll8                   | D              | 3               |
| Enroll32                  | Yug1           | 3               |
| Enroll5                   | A              | 3               |
| Enroll9                   | E              | 3               |
| voter100                  | AllaRakha      | 3               |

| Position: AqeelPos3       |                |                 |
|---------------------------|----------------|-----------------|
| Candidate ID/EnrollmentNo | Candidate Name | Number of Votes |
| Enroll7                   | C              | 3               |
| Enroll8                   | D              | 3               |

### 3.10 View Election Voting Result

**Election2**

| Position: President |                 |                 |
|---------------------|-----------------|-----------------|
| Candidate Name      | No of Choice: 1 | Number of Votes |
| Azam                | 1               | Elected         |
| wew                 | 0               |                 |
| meeraas             | 0               |                 |
| lml                 | 0               |                 |
| Azam                | 0               |                 |
| jhon                | 0               |                 |
| faraz               | 0               |                 |

**3.5.3 Cast Vote :-** On clicking on cast vote link from grid Chief Election Officer/Manager can cast his/her vote ,he can cast his vote,only when the election are in Started state.

The screenshot shows the ElectionMS application's election management interface. At the top, there's a header bar with links for 'Change Password', 'View Profile', 'Hello [Horren shah]', and 'Sign Out'. Below the header is the 'ElectionMS' logo and a banner stating 'A Multi Institutional & MultiLingual Approach of Election Management'. The main content area displays a table of elections. One row is selected, and the 'Action' column for that row contains four links: 'View', 'Results', 'Cast Vote' (which is currently being clicked), and 'Preview Ballot'. There are also buttons for 'Sort By' and 'Field' (set to 'Election Id'). A search bar at the top allows entering starting keywords and has a 'Clear' button. The bottom of the table shows page navigation with links 'Previous', '1 2 3', and 'Next'.

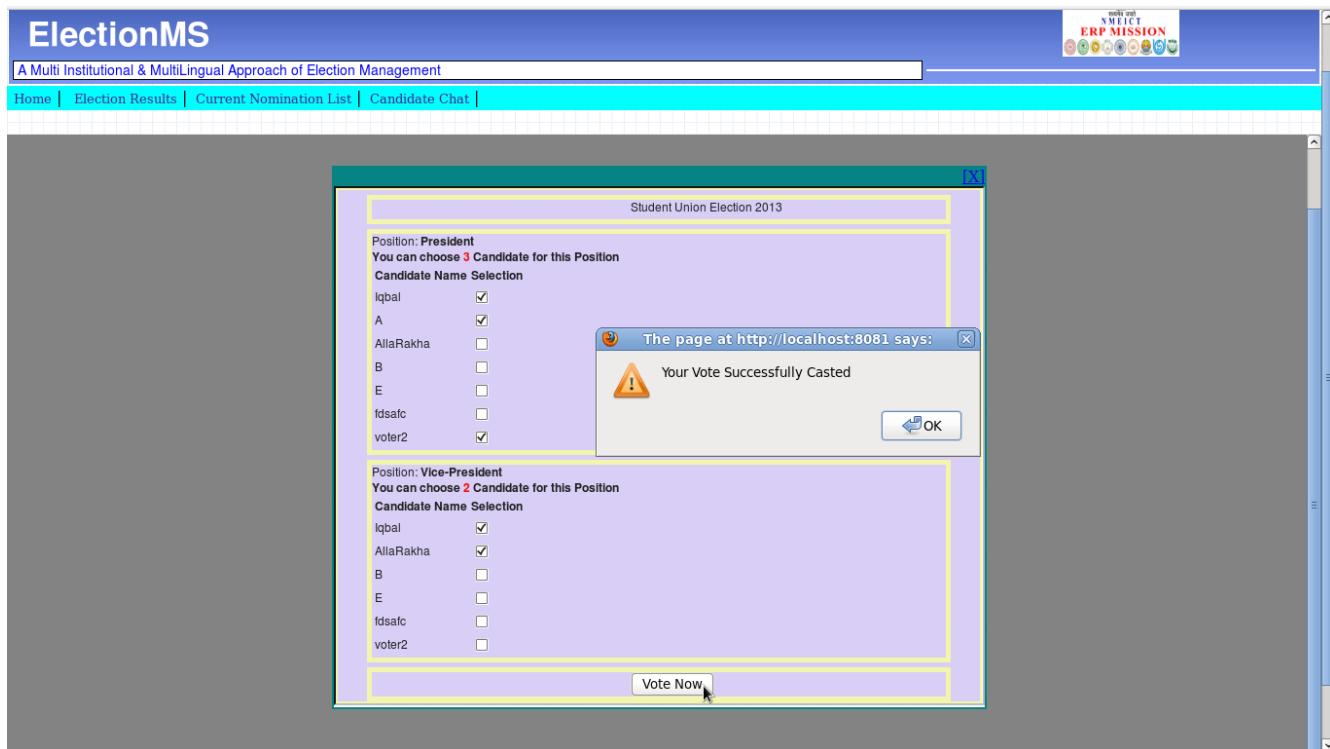
### 3.11 cast Vote Link

After clicking on cast vote link form grid,a window prompt for One time key,this one time key is set by the election officer/manager in Chief Election Officer mail in encrypted form.the election officer/manager he ,himself is unaware about this one time key because of security concern

The screenshot shows the same ElectionMS interface as above, but with a modal dialog box overlaid. The dialog is titled 'One Time Key' and contains a text input field with five asterisks ('\*\*\*\*\*') inside it. Below the input field are two buttons: 'Submit' and 'Cancel'. The background of the main interface is dimmed to indicate that the user must interact with the dialog first.

### 3.12 Cast Vote Interface

After Clicking on above submit, button a ballot in which candidates with there respective position are there ,so that Chief Election Officer can choose his/her candidate confidentially and only one time.



3.13 Cast Vote Confirm Message

**3.5.4 Preview ballot :-** Chief election officer can preview ballot before casting the vote,preview ballot link shows information about candidates and there respective positions.

A screenshot of the ElectionMS application interface. At the top, there's a header bar with links for 'Change Password', 'View Profile', 'Hello [Horren shah]', and 'Sign Out'. Below the header is a logo for 'NMEICT ERP MISSION' featuring the Indian national emblem. The main title 'ElectionMS' is displayed prominently. A sub-header below it reads 'A Multi Institutional & MultiLingual Approach of Election Management'. The main content area shows a table of election data. The table has columns: 'Election Id', 'Election Name', 'Created By', 'Election Status', 'Action', 'Action', 'Action', and 'Action'. One row is highlighted in pink, representing an election with ID 21, named 'Student Union Election 2013', created by 'iqbal@gmail.com', and currently 'closed'. The 'Action' column for this row contains four links: 'View', 'Results', 'Cast Vote', and 'Preview Ballot'. Below the table, there are navigation links 'Previous', '1 2 3', and 'Next'.

3.14 preView Election Ballot

On clicking on above preview ballot link following screen appears

A screenshot of a 'Preview Ballot Section' dialog box. The dialog is titled 'Student Union Election 2013' and has a 'Close' button. It displays two sections: 'Position: President' and 'Position: Vice-President'. Each section has a heading 'You can choose 3 Candidate for this Position' and a table with 'Candidate ID' and 'Candidate Name'. For the President position, the candidates listed are Iqbal, A, AllaRakha, B, E, and fdsafc. For the Vice-President position, the candidates listed are Iqbal, AllaRakha, B, E, fdsafc, and voter2.

3.15 preView Election Ballot

### 3.6 View All Voters

This link is use to view all voter of the institute from CEO. Click on view link from View

## All Voter Grid.

The screenshot shows a 'Voter Registration Form' with the following details:

- Enrollment Number:** Enroll3
- User ID:** iqbal@gmail.com
- Institute Name:** Vinoba Bhave University
- Department:** computer science
- Course:** MCA
- Year:** 2011
- Duration of course:** 3
- Current Session:** 2012
- Date of Joining (DD-MM-YYYY):** 2012-07-18
- Voter(student) Name:** iqbal
- Gender:** Male
- Date of Birth (DD-MM-YYYY):** 1987-06-05
- Father's Name:** ftlyhuuu
- Mother's Name:** lopkju
- Mobile No.:** 456789
- Email:** enroll3@gmail.com
- Alternate Email:** enroll3@rediffmail.com
- Corresponding Address:** lohsinhna
- City:** Hazaribag
- State:**
- Zip Code:** 5677
- Country:**
- Permanent Address:** lohsinhna
- City:** Hazaribag
- State:** Jharkhand
- ZIP Code:** 5677
- Country:**

A note at the top right says: \*indicated fields are mandatory.

3.16 View Voter Details

## 3.7 Block Voter from Voting Process of any running election

CEO can block any voter from voting process of any running election's from this link

The screenshot shows a grid of voters with the following data:

| Enrollment No. | Voter Name | Email                    | Course | Year | Working Status   | Action    |
|----------------|------------|--------------------------|--------|------|------------------|-----------|
| Enroll1        | voter1     | voter@gmail.com          | mca    | 2012 | Blockedfromlogin | Send Mail |
| Enroll10       | F          | voter10@gmail.com        |        |      | block            | Send Mail |
| Enroll11       | G          | voter11@gmail.com        |        |      | block            | Send Mail |
| Enroll12       | H          | voter12@gmail.com        |        |      | block            | Send Mail |
| Enroll2        | voter2     | voter1@gmail.com         | MCA    | 1987 | REGISTERED       | Send Mail |
| Enroll20       |            | kedar_muz@rediffmail.com |        |      | Blockedfromlogin | Send Mail |
| Enroll22       |            | enroll22@gmail.com       |        |      | REGISTERED       | Send Mail |
| Enroll23       |            |                          |        |      | REGISTERED       | Send Mail |
| Enroll24       |            |                          |        |      | REGISTERED       | Send Mail |
| Enroll3        |            |                          |        |      | REGISTERED       | Send Mail |
| Enroll30       | hissb      | voter3@gmail.com         | BSC    | 2011 | REGISTERED       | Send Mail |
| Enroll32       | Yugi       | enroll32@gmail.com       | BSC    | 2011 | REGISTERED       | Send Mail |
| Enroll5        | A          | voter5@gmail.com         | BTech  | 2011 | REGISTERED       | Send Mail |
| Enroll6        | B          | voter6@gmail.com         |        |      | REGISTERED       | Send Mail |
| Enroll7        | C          | voter7@gmail.com         |        |      | REGISTERED       | Send Mail |
| Enroll8        | D          | voter8@gmail.com         |        |      | REGISTERED       | Send Mail |
| Enroll9        | E          | voter9@gmail.com         |        |      | REGISTERED       | Send Mail |
| voter100       | AllaRakha  | voter100@gmail.com       | mca    | 2012 | REGISTERED       | Send Mail |
| voter101       | lisafe     | voter101@gmail.com       | dst    | dd   | REGISTERED       | Send Mail |
| voter21        | voter21a   | voter21@gmail.com        | BSC    | 2011 | REGISTERED       | Send Mail |
| voter22        | Yugi       | voter22@gmail.com        | BSC    | 2011 | REGISTERED       | Send Mail |
| x1             | xa         | x1@gmail.com             |        |      | NOT REGISTERED   | Send Mail |
| x101           | xb         | x1@gmail.com             |        |      | NOT REGISTERED   | Send Mail |

3.17 Block Voter from any elections

When Chief election officer click on block voter button from above screen then voter is

blocked with the block message.

| Enrollment No | Voter Name | Email             | Course | Year | Working Status | Action                    |
|---------------|------------|-------------------|--------|------|----------------|---------------------------|
| Enroll12      | H          | voter12@gmail.com | I      | I    | block          | <a href="#">Send Mail</a> |

Voter voter12@gmail.com has been Blocked for the Election Student Union Election 2013

3.18 Block Voter from any elections

### 3.8 Send Mail Message to any Voter

Use to send mail notice to any voter.

**ElectionMS**

A Multi Institutional & MultiLingual Approach of Election Management

Home Manage Election Manager View Election Manager View Election Details View All Voters Block Voter View All Candidate Migrate EM Role Reset Password MailBody

Enter Starting Keyword(s)  Clear

Sort By Field Enrollment No

Voter Mail Body

Dear Voter,  
Election will start from ....

Type the Mail Body

Send Mail Update

Fig 3.19 Send Mail to Voter

### 3.9 View All Candidates

This link redirect to view all Candidates list along with election's details. CEO can click on view link to display candidate's details.

**ElectionMS**

A Multi Institutional & MultiLingual Approach of Election Management

Home Manage Election Manager View Election Manager View Election Details View All Voters Block Voter View All Candidate Migrate EM Role Reset Password MailBody

Enter Starting Keyword(s)  Clear

Sort By Field Candidate Name

Send Mail to All

Candidate Approval Page

| Election_Id | Enrollment_No | Candidate_Name | Department | Course | Year | Working_Status | Action    |
|-------------|---------------|----------------|------------|--------|------|----------------|-----------|
| 13          | Enroll3       |                |            |        |      | REGISTERED     | Send Mail |
| 13          | Enroll3       |                |            |        |      | REGISTERED     | Send Mail |
| 21          | Enroll3       |                |            |        |      | REGISTERED     | Send Mail |
| 21          | Enroll3       |                |            |        |      | REGISTERED     | Send Mail |
| 17          | Enroll5       | A              | DCS        | BTech  | 2011 | REGISTERED     | Send Mail |
| 17          | Enroll5       | A              | DCS        | BTech  | 2011 | REGISTERED     | Send Mail |
| 19          | Enroll5       | A              | DCS        | BTech  | 2011 | REGISTERED     | Send Mail |
| 19          | Enroll5       | A              | DCS        | BTech  | 2011 | REGISTERED     | Send Mail |
| 19          | Enroll5       | A              | DCS        | BTech  | 2011 | REGISTERED     | Send Mail |
| 21          | Enroll5       | A              | DCS        | BTech  | 2011 | REGISTERED     | Send Mail |

Next 1 2 3 4 5 6 7 8

Fig 3.20 View all candidate

### 3.10 Send Mail to any Candidate

CEO can send any notices to specific candidates from this link

The screenshot shows the ElectionMS application interface. At the top, there is a header bar with 'Login Details : Institute Name : St.Xavier College/Chief Election Officer/Institute Admin Module' on the left and 'Change Password | View Profile | Hello [Horren shah] | Sign Out' on the right. Below the header is a blue navigation bar with the 'ElectionMS' logo and the text 'A Multi Institutional & MultiLingual Approach of Election Management'. The main content area has a white background with a grid pattern. It contains several buttons: 'Home', 'Manage Election Manager', 'View Election Manager', 'View Election Details', 'View All Voters', 'Block Voter', 'View All Candidate', 'Migrate EM Role', 'Reset Password', and 'MailBody'. There is also a search bar labeled 'Search Candidate' with a placeholder 'Enter Starting Keyword(s)' and a 'Clear' button. A dropdown menu 'Sort By' is open, showing 'Field' and 'Candidate Name'. Below these are two buttons: 'Candidate Name' and 'Send Mail to All'. A large text area titled 'Candidate Mail Body' contains the message: 'Dear Candidate, You have to submit your document'. Below this is a placeholder 'Type the Mail Body'. At the bottom of the mail body area are two buttons: 'Send Mail' and 'Update'. The right side of the interface features a vertical sidebar with various icons.

Fig 3.21 Send mail to any candidate

### 3.11 Migrate EO Role

This Feature is used by CEO in case to migrate the role of One EO to another.

The screenshot shows the ElectionMS interface with a blue header bar. On the left, it says "Login Details : Institute Name : St.Xavier College/Chief Election Officer/Institute Admin Module". On the right, there are links for "Change Password", "View Profile", "Hello [Horren shah]", and "Sign Out". The main content area has a title "ElectionMS" and a subtitle "A Multi Institutional & MultiLingual Approach of Election Management". Below this is a navigation menu with links: Home, Manage Election Manager, View Election Manager, View Election Details, View All Voters, Block Voter, View All Candidate, Migrate EM Role, Reset Password, and MailBody. A sub-menu for "Migrate EO Role" is open. There are three input fields: "Election Manager user id" with value "kedar9002@gmail.com", "Election List" with a dropdown menu set to "Select", and "Migrated to Election Manager" with value "iqbal@gmail.com". At the bottom are "Submit" and "Clear" buttons.

Fig 3.22 Block Voter from any elections

### 3.12 Reset Password

This link is used by CEO to change login password of any users

The screenshot shows the ElectionMS interface with a blue header bar. On the left, it says "Login Details : Institute Name : Vinoba Bhave University/Chief Election Officer/Institute Admin Module". On the right, there are links for "Change Password", "View Profile", "Hello [Kedar Kumar]", and "Sign Out". The main content area has a title "ElectionMS" and a subtitle "A Multi Institutional & MultiLingual Approach of Election Management". Below this is a navigation menu with links: Home, Manage Election Manager, View Election Manager, View Election Details, View All Voters, Block Voter, View All Candidate, Migrate EM Role, Reset Password, and MailBody. A sub-menu for "Reset Password" is open. There are two input fields: "User Id" with value "sunil@gmail.com" and "Password" with five dots indicating the password. At the bottom are "Reset Password" and "Clear" buttons.

Fig 3.23 Reset Login Password of any User

### 3.13 Set System generated Mail Body for Send Mail Content (In case when CEO create/update EO)

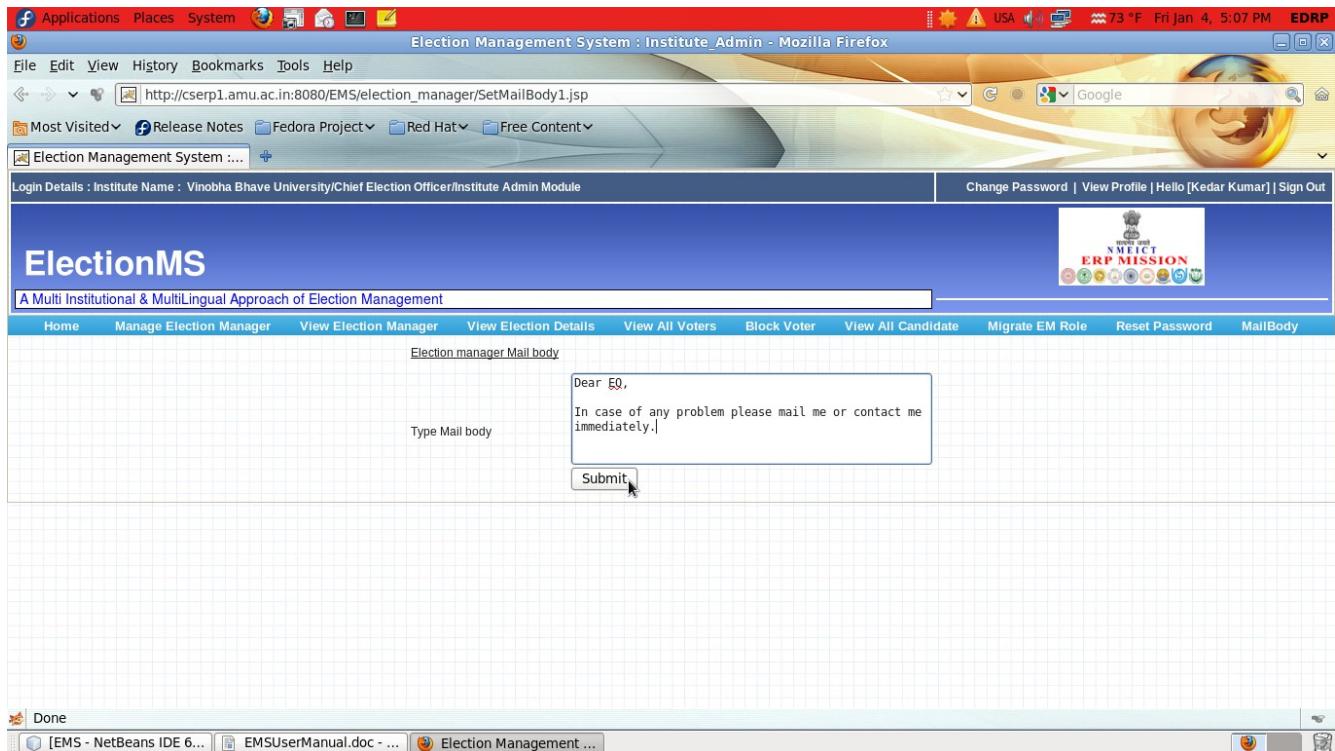


Fig 3.24 Set Mail Body for EO

### 3.14 View Profile

This link is used by CEO to view their own details from header.

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                   |                                                                 |                |                   |                 |   |                        |  |          |     |                   |            |            |        |           |      |         |             |      |           |             |  |       |           |           |            |         |       |          |             |     |  |        |      |             |  |          |  |                   |               |  |  |                  |  |  |  |              |  |  |  |              |        |  |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-----------------------------------------------------------------|----------------|-------------------|-----------------|---|------------------------|--|----------|-----|-------------------|------------|------------|--------|-----------|------|---------|-------------|------|-----------|-------------|--|-------|-----------|-----------|------------|---------|-------|----------|-------------|-----|--|--------|------|-------------|--|----------|--|-------------------|---------------|--|--|------------------|--|--|--|--------------|--|--|--|--------------|--------|--|--|
| Login Details : Institute Name : St.Xavier College/Chief Election Officer/Institute Admin Module                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                   | Change Password   View Profile   Hello [Horren shah]   Sign Out |                |                   |                 |   |                        |  |          |     |                   |            |            |        |           |      |         |             |      |           |             |  |       |           |           |            |         |       |          |             |     |  |        |      |             |  |          |  |                   |               |  |  |                  |  |  |  |              |  |  |  |              |        |  |  |
| <br><b>ElectionMS</b><br>A Multi Institutional & MultiLingual Approach of Election Management                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                   |                                                                 |                |                   |                 |   |                        |  |          |     |                   |            |            |        |           |      |         |             |      |           |             |  |       |           |           |            |         |       |          |             |     |  |        |      |             |  |          |  |                   |               |  |  |                  |  |  |  |              |  |  |  |              |        |  |  |
| <a href="#">Home</a> <a href="#">Manage Election Manager</a> <a href="#">View Election Manager</a> <a href="#">View Election Details</a> <a href="#">View All Voters</a> <a href="#">Block Voter</a> <a href="#">View All Candidate</a> <a href="#">Migrate EM Role</a> <a href="#">Reset Password</a> <a href="#">MailBody</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                   |                                                                 |                |                   |                 |   |                        |  |          |     |                   |            |            |        |           |      |         |             |      |           |             |  |       |           |           |            |         |       |          |             |     |  |        |      |             |  |          |  |                   |               |  |  |                  |  |  |  |              |  |  |  |              |        |  |  |
| <p style="text-align: center;"><b>Chief Election Officer/Institute Admin Details</b></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tbody> <tr> <td>Institute Name</td> <td>St.Xavier College</td> <td>Registration Id</td> <td>2</td> </tr> <tr> <td>Institute Abbreviation</td> <td></td> <td>Courtesy</td> <td>Ms.</td> </tr> <tr> <td>Institute Address</td> <td>Hazaribagh</td> <td>First Name</td> <td>Horren</td> </tr> <tr> <td>Last Name</td> <td>shah</td> <td>User Id</td> <td>k@gmail.com</td> </tr> <tr> <td>City</td> <td>Hazaribag</td> <td>Designation</td> <td></td> </tr> <tr> <td>State</td> <td>Jharkhand</td> <td>Mobile No</td> <td>8755929930</td> </tr> <tr> <td>Country</td> <td>India</td> <td>Email Id</td> <td>k@gmail.com</td> </tr> <tr> <td>Pin</td> <td></td> <td>Gender</td> <td>Male</td> </tr> <tr> <td>Landline No</td> <td></td> <td>Password</td> <td></td> </tr> <tr> <td>Type of institute</td> <td>Self Financed</td> <td></td> <td></td> </tr> <tr> <td>Institute Domain</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Website Name</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Institute Id</td> <td>xavier</td> <td></td> <td></td> </tr> </tbody> </table> |                   |                                                                 | Institute Name | St.Xavier College | Registration Id | 2 | Institute Abbreviation |  | Courtesy | Ms. | Institute Address | Hazaribagh | First Name | Horren | Last Name | shah | User Id | k@gmail.com | City | Hazaribag | Designation |  | State | Jharkhand | Mobile No | 8755929930 | Country | India | Email Id | k@gmail.com | Pin |  | Gender | Male | Landline No |  | Password |  | Type of institute | Self Financed |  |  | Institute Domain |  |  |  | Website Name |  |  |  | Institute Id | xavier |  |  |
| Institute Name                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | St.Xavier College | Registration Id                                                 | 2              |                   |                 |   |                        |  |          |     |                   |            |            |        |           |      |         |             |      |           |             |  |       |           |           |            |         |       |          |             |     |  |        |      |             |  |          |  |                   |               |  |  |                  |  |  |  |              |  |  |  |              |        |  |  |
| Institute Abbreviation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                   | Courtesy                                                        | Ms.            |                   |                 |   |                        |  |          |     |                   |            |            |        |           |      |         |             |      |           |             |  |       |           |           |            |         |       |          |             |     |  |        |      |             |  |          |  |                   |               |  |  |                  |  |  |  |              |  |  |  |              |        |  |  |
| Institute Address                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Hazaribagh        | First Name                                                      | Horren         |                   |                 |   |                        |  |          |     |                   |            |            |        |           |      |         |             |      |           |             |  |       |           |           |            |         |       |          |             |     |  |        |      |             |  |          |  |                   |               |  |  |                  |  |  |  |              |  |  |  |              |        |  |  |
| Last Name                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | shah              | User Id                                                         | k@gmail.com    |                   |                 |   |                        |  |          |     |                   |            |            |        |           |      |         |             |      |           |             |  |       |           |           |            |         |       |          |             |     |  |        |      |             |  |          |  |                   |               |  |  |                  |  |  |  |              |  |  |  |              |        |  |  |
| City                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Hazaribag         | Designation                                                     |                |                   |                 |   |                        |  |          |     |                   |            |            |        |           |      |         |             |      |           |             |  |       |           |           |            |         |       |          |             |     |  |        |      |             |  |          |  |                   |               |  |  |                  |  |  |  |              |  |  |  |              |        |  |  |
| State                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Jharkhand         | Mobile No                                                       | 8755929930     |                   |                 |   |                        |  |          |     |                   |            |            |        |           |      |         |             |      |           |             |  |       |           |           |            |         |       |          |             |     |  |        |      |             |  |          |  |                   |               |  |  |                  |  |  |  |              |  |  |  |              |        |  |  |
| Country                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | India             | Email Id                                                        | k@gmail.com    |                   |                 |   |                        |  |          |     |                   |            |            |        |           |      |         |             |      |           |             |  |       |           |           |            |         |       |          |             |     |  |        |      |             |  |          |  |                   |               |  |  |                  |  |  |  |              |  |  |  |              |        |  |  |
| Pin                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                   | Gender                                                          | Male           |                   |                 |   |                        |  |          |     |                   |            |            |        |           |      |         |             |      |           |             |  |       |           |           |            |         |       |          |             |     |  |        |      |             |  |          |  |                   |               |  |  |                  |  |  |  |              |  |  |  |              |        |  |  |
| Landline No                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                   | Password                                                        |                |                   |                 |   |                        |  |          |     |                   |            |            |        |           |      |         |             |      |           |             |  |       |           |           |            |         |       |          |             |     |  |        |      |             |  |          |  |                   |               |  |  |                  |  |  |  |              |  |  |  |              |        |  |  |
| Type of institute                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Self Financed     |                                                                 |                |                   |                 |   |                        |  |          |     |                   |            |            |        |           |      |         |             |      |           |             |  |       |           |           |            |         |       |          |             |     |  |        |      |             |  |          |  |                   |               |  |  |                  |  |  |  |              |  |  |  |              |        |  |  |
| Institute Domain                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                   |                                                                 |                |                   |                 |   |                        |  |          |     |                   |            |            |        |           |      |         |             |      |           |             |  |       |           |           |            |         |       |          |             |     |  |        |      |             |  |          |  |                   |               |  |  |                  |  |  |  |              |  |  |  |              |        |  |  |
| Website Name                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                   |                                                                 |                |                   |                 |   |                        |  |          |     |                   |            |            |        |           |      |         |             |      |           |             |  |       |           |           |            |         |       |          |             |     |  |        |      |             |  |          |  |                   |               |  |  |                  |  |  |  |              |  |  |  |              |        |  |  |
| Institute Id                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | xavier            |                                                                 |                |                   |                 |   |                        |  |          |     |                   |            |            |        |           |      |         |             |      |           |             |  |       |           |           |            |         |       |          |             |     |  |        |      |             |  |          |  |                   |               |  |  |                  |  |  |  |              |  |  |  |              |        |  |  |

Fig 3.25 View CEO Profile

### 3.15 Change Password

please click on this header link of change password in case if CEO want to change his password

|                                                                                                                                                                                                                                                                                                                                                                                                                                                            |             |                                                                 |         |             |              |       |                   |       |                                                                                      |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-----------------------------------------------------------------|---------|-------------|--------------|-------|-------------------|-------|--------------------------------------------------------------------------------------|--|
| Login Details : Institute Name : St.Xavier College/Chief Election Officer/Institute Admin Module                                                                                                                                                                                                                                                                                                                                                           |             | Change Password   View Profile   Hello [Horren shah]   Sign Out |         |             |              |       |                   |       |                                                                                      |  |
| <br><b>ElectionMS</b><br>A Multi Institutional & MultiLingual Approach of Election Management                                                                                                                                                                                                                                                                         |             |                                                                 |         |             |              |       |                   |       |                                                                                      |  |
| <a href="#">Home</a> <a href="#">Manage Election Manager</a> <a href="#">View Election Manager</a> <a href="#">View Election Details</a> <a href="#">View All Voters</a> <a href="#">Block Voter</a> <a href="#">View All Candidate</a> <a href="#">Migrate EM Role</a> <a href="#">Reset Password</a> <a href="#">MailBody</a>                                                                                                                            |             |                                                                 |         |             |              |       |                   |       |                                                                                      |  |
| <p style="text-align: center;">Change Password</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tbody> <tr> <td>User Id</td> <td>k@gmail.com</td> </tr> <tr> <td>New Password</td> <td>*****</td> </tr> <tr> <td>Re-Enter Password</td> <td>*****</td> </tr> <tr> <td colspan="2" style="text-align: center;"> <input type="button" value="Change Password"/>   <input type="button" value="Cancel"/> </td> </tr> </tbody> </table> |             |                                                                 | User Id | k@gmail.com | New Password | ***** | Re-Enter Password | ***** | <input type="button" value="Change Password"/> <input type="button" value="Cancel"/> |  |
| User Id                                                                                                                                                                                                                                                                                                                                                                                                                                                    | k@gmail.com |                                                                 |         |             |              |       |                   |       |                                                                                      |  |
| New Password                                                                                                                                                                                                                                                                                                                                                                                                                                               | *****       |                                                                 |         |             |              |       |                   |       |                                                                                      |  |
| Re-Enter Password                                                                                                                                                                                                                                                                                                                                                                                                                                          | *****       |                                                                 |         |             |              |       |                   |       |                                                                                      |  |
| <input type="button" value="Change Password"/> <input type="button" value="Cancel"/>                                                                                                                                                                                                                                                                                                                                                                       |             |                                                                 |         |             |              |       |                   |       |                                                                                      |  |

Fig 3.26 Change CEO Login Password

## Chapter 4: Election Officer

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**4.1 Election Manager Home Page** is the authority of any institute who will manage the whole election process. Election Manager can create, open and close elections. Election Manager will be able to manage requests of voters and candidates for registration. It will be the responsibility of Election Manager to authenticate voters, candidates and publish the result on time. After the creation of election manager, username and password has mailed to the election manager's email id. After the successful login election manager can perform the following activities

The screenshot shows the ElectionMS interface. At the top, there's a navigation bar with links for Home, Manage Election, Manage Voter, Manage Candidate Request, Manage Candidate, Set Mail Body, Reset Password, and Result Computing. A message "Pending Registration Request of Voter(2) Click here" is displayed. Below the navigation is a table listing 9 election entries. The table columns include: Election\_Id, Election\_Name, Voting\_Status, Working\_Status, Action, Preview, Candidate, Voter\_List, Publish\_Election, Vote\_Cast\_Till\_Date, and View\_All\_Voted\_Voter. The table shows various election details like "Department Election", "HSBC", "Axix", etc., with their respective status and actions. At the bottom of the table, there are links for "Next", "1 2 3", and a large "View All Voted Voter" button.

Fig 4.1 EO Home page

## 4.2 Manage Election ->Create Election

Election Officer can set the election related parameter through this link like , Election Start date ,Election End date,Send candidature request Start and end date, Result declaration date , Set the No.of positions,position criteria etc.

The screenshot shows the "Create Election" interface. It has a header with links for Home, Manage Election, Manage Voter, Manage Candidate Request, Manage Candidate, Set Mail Body, Reset Password, and Result Computing. Below the header is a section titled "Election Details" with fields for "Election\_Id" (set to 21) and "Election\_Name" (set to "Student Union Election 2013"). There's also a note: "Name your election: (ex. "Board of Directors Election 2009")". The main area is titled "Details" and contains several date and time input fields:

- Nomination start date and time:** (Nominations open and announcement are emailed)\*  
2013-01-01 15:25:00.0
- Nomination end date and time:** (Nominations closed)\*  
2013-01-03 18:25:00.0
- Scrutiny start date and time:**  
2013-01-04 15:25:00.0
- Scrutiny end date and time:**  
2013-01-05 15:25:00.0
- Nomination Withdrawl start date and time:**  
2013-01-06 15:25:00.0
- Nomination Withdrawl end date and time:**  
2013-01-07 15:25:00.0
- Election start date and time:** (voting opens and announcement are emailed)\*  
2013-01-08 15:25:00.0
- Election end date and time:** (voters can no longer cast ballots and results are emailed)\*  
2013-01-09 15:25:00.0
- Result can be declared by Election Officer after this date and time:** (After voting result will be displayed)\*  
2013-01-10 15:25:00.0

Fig 4.2 Create Election Interface Part 1

The screenshot shows the 'Create Election Interface Part 2' window. At the top, there are three date/time fields: '2013-01-08 15:25:00', '2013-01-09 15:25:00', and '2013-01-10 15:25:00'. A message states: 'Result can be declared by Election Officer after this date and time: (After voting result will be displayed)\*'. Below this, there are two sections for 'Positions': 'President' and 'Vice-President'. Each section has fields for 'Position Name', 'Number of choice', 'Position instruction for voter', and 'Rule'. For the President position, rules include 'Backlog' and 'Attendance'. For the Vice-President position, rules include 'Age' and 'Educational'. There are 'Update' and 'Delete' buttons for each entry. A 'Add New Position' button is at the bottom left. A note at the bottom says '\*indicated fields are mandatory'. At the bottom are 'Submit' and 'Cancel' buttons.

Fig 4.3 Create Election Interface Part 2

### 4.3 Update Election

On clicking Update Link from Grid ,Election officer can update Election related parameter. As well as he can update position related information too,but update can be done only when election is in running state, once the election is closed no further updation can be done.

Fig 4.4 Update Election Interface Part 1

The screenshot shows the 'Update Election Interface Part 1' window. At the top, it displays 'Login Details : Institute Name : St.Xavier College/Election Officer Module', 'Change Password | View Profile | Hello [Iqubal Ahmad] | Sign Out', and the 'ElectionMS' logo. Below this is a navigation bar with links: Home, Manage Election, Manage Voter, Manage Candidate Request, Manage Candidate, Set Mail Body, Reset Password, and Result Computing. A message 'Pending Registration Request of Voter(2) Click here' is shown. Below is a grid table:

| Election_Id | Election_Name               | Voting_Status | Working_Status | Action                                                              | Vote Cast Till Date | View All Voted Voter |
|-------------|-----------------------------|---------------|----------------|---------------------------------------------------------------------|---------------------|----------------------|
| 21          | Student Union Election 2013 | Closed        | closed         | <a href="#">Update</a> <a href="#">View</a> <a href="#">Results</a> |                     |                      |

At the bottom, there are links for 'Previous' and page numbers '1 2 3'. To the right of the table are download links for PDF, XML, XLS, and CSV.

When the update link is clicked following screen will update the election related parameter. Which is set by Election officer/Manager.

**ElectionMS**  
A Multi Institutional & MultiLingual Approach of Election Management

Home Manage Election Manage Voter Manage Candidate Request Manage Candidate Set Mail Body Reset Password Result Computing

**Election Details**

|                                                               |    |               |                             |
|---------------------------------------------------------------|----|---------------|-----------------------------|
| Election_Id                                                   | 21 | Election_Name | Student Union Election 2013 |
| Name your election: (ex. "Board of Directors Election 2009")* |    |               |                             |

**Details**

|                                                                                                                         |                       |
|-------------------------------------------------------------------------------------------------------------------------|-----------------------|
| Student Union Election 2013                                                                                             |                       |
| <b>Nomination start date and time:</b><br>(Nominations opens and announcement are emailed)*                             | 2013-01-01 15:25:00.0 |
| <b>Scrutiny start date and time:</b>                                                                                    | *                     |
| 2013-01-04 15:25:00.0                                                                                                   |                       |
| <b>Nomination Withdrawal start date and time:</b>                                                                       | *                     |
| 2013-01-06 15:25:00.0                                                                                                   |                       |
| <b>Election start date and time:</b><br>(voting opens and announcement are emailed)*                                    | 2013-01-08 15:25:00.0 |
| <b>Result can be declared by Election Officer after this date and time:</b><br>(After voting result will be displayed)* | 2013-01-10 15:25:00.0 |
| <b>Nomination end date and time:</b><br>(Nominations closed) *                                                          | 2013-01-03 18:25:00.0 |
| <b>Scrutiny end date and time:</b>                                                                                      | *                     |
| 2013-01-05 15:25:00.0                                                                                                   |                       |
| <b>Nomination Withdrawal end date and time:</b>                                                                         | *                     |
| 2013-01-07 15:25:00.0                                                                                                   |                       |
| <b>Election end date and time:</b><br>(voters can no longer cast ballots and results are emailed)*                      | 2013-01-09 15:25:00.0 |

Fig 4.5 Update Election Interface Part 2

**Positions**

|                                                      |                      |        |              |
|------------------------------------------------------|----------------------|--------|--------------|
| Position Name * President                            | Number of choice * 3 | Update | Delete       |
| You can choose 3 Candidate for this Position         |                      |        |              |
| Position instruction for voter: <input type="text"/> |                      |        |              |
| Rule : * Backlog                                     | Update               | Delete | Add Criteria |
| Rule : * Attendance                                  | Update               | Delete |              |
| Position Name * Vice-President                       | Number of choice * 2 | Update | Delete       |
| You can choose 2 Candidate for this Position         |                      |        |              |
| Position instruction for voter: <input type="text"/> |                      |        |              |
| Rule : * Age                                         | Update               | Delete | Add Criteria |
| Rule : * Educational                                 | Update               | Delete |              |

**Add New Position**

\*indicated fields are mandatory

Submit Cancel

Fig 4.6 Update Election Interface Part 3

#### 4.4 View Election

On clicking view Link from Grid ,Election officer can view Election related parameter.

Login Details : Institute Name : St.Xavier College/Election Officer Module | Change Password | View Profile | Hello [Iqubal Ahmad] | Sign Out

## ElectionMS

A Multi Institutional & MultiLingual Approach of Election Management

Home Manage Election Manage Voter Manage Candidate Request Manage Candidate Set Mail Body Reset Password Result Computing

Pending Registration Request of Voter(2) [Click here](#)

| Election_Id | Election_Name               | Voting Status | Working Status | Action                                                                                                            | Preview Ballot                 | Candidate List                 | Voter List                 | Publish Election                 | Vote Cast Till Date | View All Voted Voter                                                            |
|-------------|-----------------------------|---------------|----------------|-------------------------------------------------------------------------------------------------------------------|--------------------------------|--------------------------------|----------------------------|----------------------------------|---------------------|---------------------------------------------------------------------------------|
| 21          | Student Union Election 2013 | Closed        | closed         | <a href="#">Update View</a> <a href="#">Results</a> <a href="#">Cast Vote</a> <a href="#">PreferentialResults</a> | <a href="#">Preview Ballot</a> | <a href="#">Candidate List</a> | <a href="#">Voter List</a> | <a href="#">Publish Election</a> | 1                   | <a href="#">PDF</a> <a href="#">XML</a> <a href="#">XLS</a> <a href="#">CSV</a> |

Previous [1](#) [2](#) [3](#)

Fig 4.7 View Election Interface Part 1

When view link is clicked on the grid,following Screen help to see election related parameter

Login Details : Institute Name : St.Xavier College/Election Officer Module | Change Password | View Profile | Hello [Iqubal Ahmad] | Sign Out

## ElectionMS

A Multi Institutional & MultiLingual Approach of Election Management

Home Manage Election Manage Voter Manage Candidate Request Manage Candidate Set Mail Body Reset Password Result Computing

**Election Details**

|                                                               |    |               |                             |
|---------------------------------------------------------------|----|---------------|-----------------------------|
| Election_Id                                                   | 21 | Election_Name | Student Union Election 2013 |
| Name your election: (ex. "Board of Directors Election 2009")* |    |               |                             |

**Details**

|                                                                                                                  |                                                   |                                         |                                                              |
|------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|-----------------------------------------|--------------------------------------------------------------|
| Nomination start date and time:                                                                                  | (Nominations opens and announcement are emailed)* | Nomination end date and time:           | (Nominations closed)*                                        |
| 2013-01-01 15:25:00.0                                                                                            | <input type="button" value=""/>                   | 2013-01-02 18:25:00.0                   | <input type="button" value=""/>                              |
| Scrutiny start date and time:                                                                                    | *                                                 | Scrutiny end date and time:             | *                                                            |
| 2013-01-03 19:25:00.0                                                                                            | <input type="button" value=""/>                   | 2013-01-04 15:25:00.0                   | <input type="button" value=""/>                              |
| Nomination Withdrawl start date and time                                                                         | *                                                 | Nomination Withdrawl end date and time: | *                                                            |
| 2013-01-05 15:25:00.0                                                                                            | <input type="button" value=""/>                   | 2013-01-06 15:25:00.0                   | <input type="button" value=""/>                              |
| Election start date and time:                                                                                    | (voting opens and announcement are emailed)*      | Election end date and time:             | (voters can no longer cast ballots and results are emailed)* |
| 2013-01-07 15:25:00.0                                                                                            | <input type="button" value=""/>                   | 2013-01-08 15:25:00.0                   | <input type="button" value=""/>                              |
| Result can be declared by Election Officer after this date and time:<br>(After voting result will be displayed)* |                                                   |                                         |                                                              |
| 2013-01-08 15:27:00.0 <input type="button" value=""/>                                                            |                                                   |                                         |                                                              |

**Positions**

|                 |           |                    |   |
|-----------------|-----------|--------------------|---|
| Position Name * | President | Number of choice * | 3 |
|-----------------|-----------|--------------------|---|

Fig 4.8 View Election Interface Part 2

## 4.5 Election Result

On Clicking on Result Link from Grid ,the result of closed election is viewed

| Election_Id | Election_Name               | Voting_Status | Working_Status | Action                                                              | Cast_Vote                 | PreferentialResults                 | Preview_Ballot                 | Candidate_List                 | Voter_List                 | Publish_Election                 | Vote_Cast_Till_Date | View_All_Voted_Voter                                                            |
|-------------|-----------------------------|---------------|----------------|---------------------------------------------------------------------|---------------------------|-------------------------------------|--------------------------------|--------------------------------|----------------------------|----------------------------------|---------------------|---------------------------------------------------------------------------------|
| 21          | Student Union Election 2013 | Closed        | closed         | <a href="#">Update</a> <a href="#">View</a> <a href="#">Results</a> | <a href="#">Cast Vote</a> | <a href="#">PreferentialResults</a> | <a href="#">Preview Ballot</a> | <a href="#">Candidate List</a> | <a href="#">Voter List</a> | <a href="#">Publish Election</a> | 1                   | <a href="#">PDF</a> <a href="#">XML</a> <a href="#">XLS</a> <a href="#">CSV</a> |

1 2 3

Fig 4.9 View Election Result Interface Part 1

when result link is clicked , then following screen help to see the published result.

| Position: iqbaliPos1      |                | No of Choice: 6       |                    |                       |             |
|---------------------------|----------------|-----------------------|--------------------|-----------------------|-------------|
| Candidate ID/EnrollmentNo | Candidate Name | Number of PostalVotes | Number of AGMVotes | Number of OnlineVotes | Total Votes |
| Enroll8                   | D              | 0                     | 0                  | 3                     | 3           |
| Enroll32                  | Yug1           | 0                     | 0                  | 3                     | 3           |
| Enroll5                   | A              | 0                     | 0                  | 3                     | 3           |
| Enroll9                   | E              | 0                     | 0                  | 3                     | 3           |
| voter100                  | AllaRakha      | 0                     | 0                  | 3                     | 3           |
| Enroll30                  | hissb          | 0                     | 0                  | 3                     | 3           |
| Enroll6                   | B              | 0                     | 0                  | 3                     | 3           |
| Enroll7                   | C              | 0                     | 0                  | 3                     | 3           |

| Position: kedarpPos2      |                | No of Choice: 5       |                    |                       |             |
|---------------------------|----------------|-----------------------|--------------------|-----------------------|-------------|
| Candidate ID/EnrollmentNo | Candidate Name | Number of PostalVotes | Number of AGMVotes | Number of OnlineVotes | Total Votes |
| voter100                  | AllaRakha      | 0                     | 0                  | 3                     | 3           |
| Enroll6                   | B              | 0                     | 0                  | 3                     | 3           |
| Enroll7                   | C              | 0                     | 0                  | 3                     | 3           |
| Enroll8                   | D              | 0                     | 0                  | 3                     | 3           |
| Enroll32                  | Yug1           | 0                     | 0                  | 3                     | 3           |
| Enroll5                   | A              | 0                     | 0                  | 3                     | 3           |
| Enroll9                   | E              | 0                     | 0                  | 3                     | 3           |

| Position: aqeelPos3       |                | No of Choice: 3       |                    |                       |             |
|---------------------------|----------------|-----------------------|--------------------|-----------------------|-------------|
| Candidate ID/EnrollmentNo | Candidate Name | Number of PostalVotes | Number of AGMVotes | Number of OnlineVotes | Total Votes |
| Enroll6                   | B              | 0                     | 0                  | 3                     | 3           |

Fig 4.10 View Election Result Interface Part 2

In the above link click on Show PDF in Graphical Format

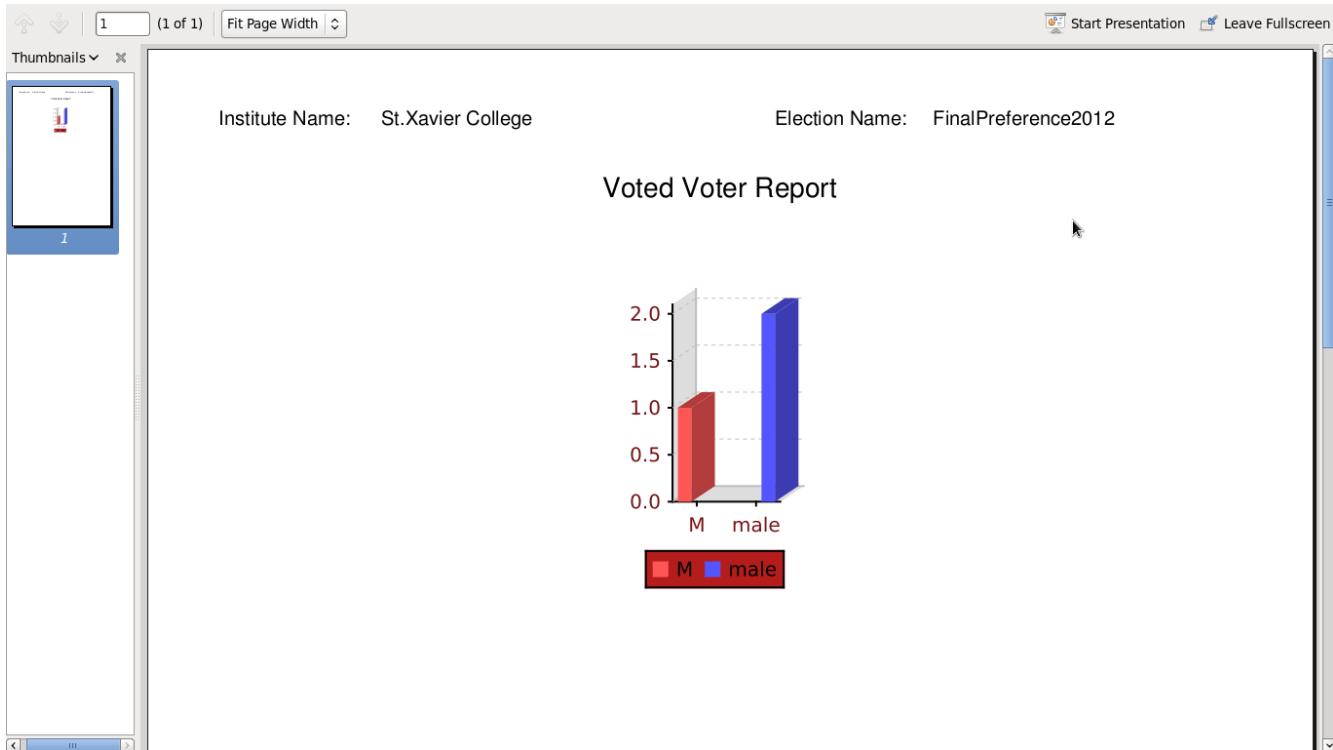


Fig 4.11 View Election Result Interface Part 3

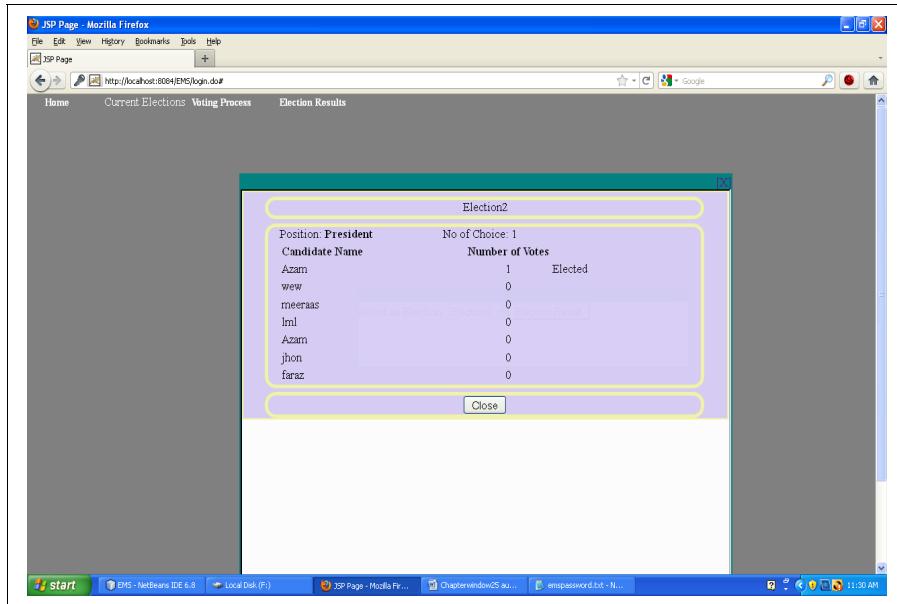


Fig 4.12 View Election Result Interface Part 4

#### 4.6 Cast Vote

On clicking on cast Vote link , Election Officer himself can cast vote in running election. After

clicking on cast vote link form grid,a window prompt for One time key,this one time key is set by the election officer/manager in encrypted form.



Fig 4.13 Submit One Time Key for Voting Process Part 1

After Clicking on above submit,button a ballot in which candidates with there respective position are there ,so that voter can choose his/her candidate confidentially and only one time.

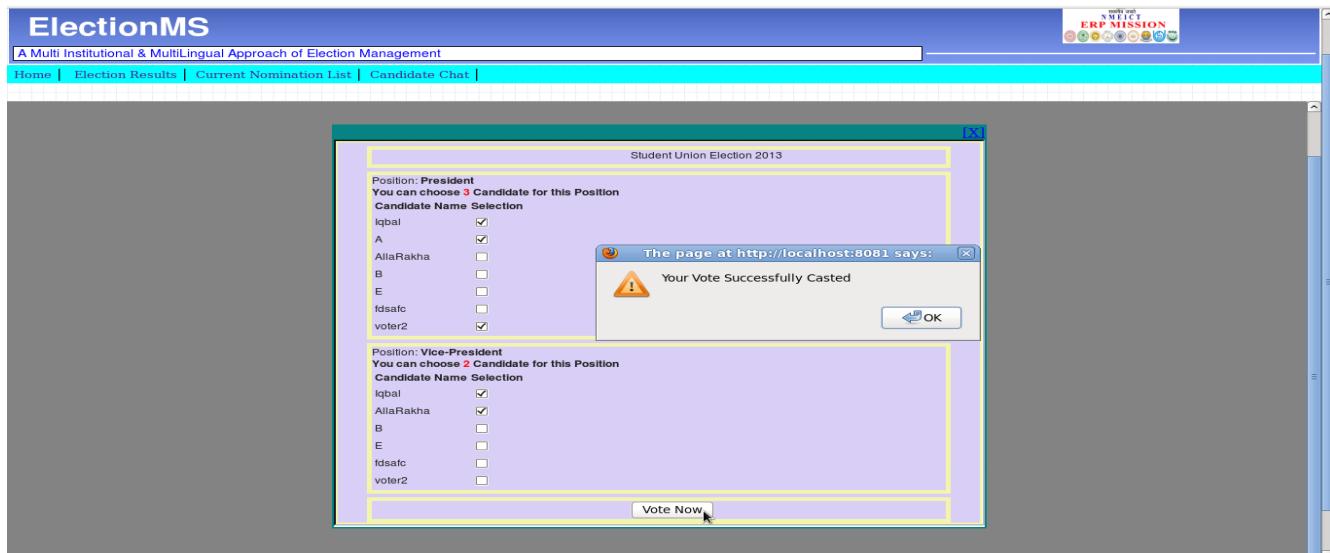


Fig 4.14 Submit One Time Key for Voting Process Part 2

#### 4.7 Preview Ballot

**Ballot Preview:** when the preview ballot link is clicked on the grid , when then the Candidature request is accepted ,No of candidate per position is displayed in Ballot as below .

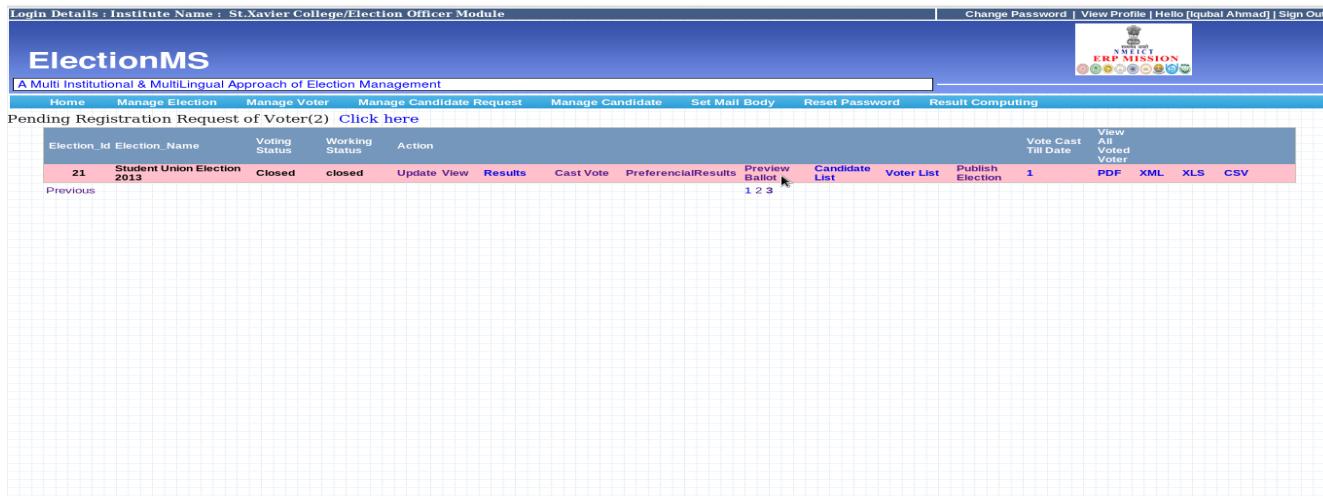


Fig 4.15 Preview Ballot Part 1

Now when the preview ballot link is clicked then ballot will shown as below

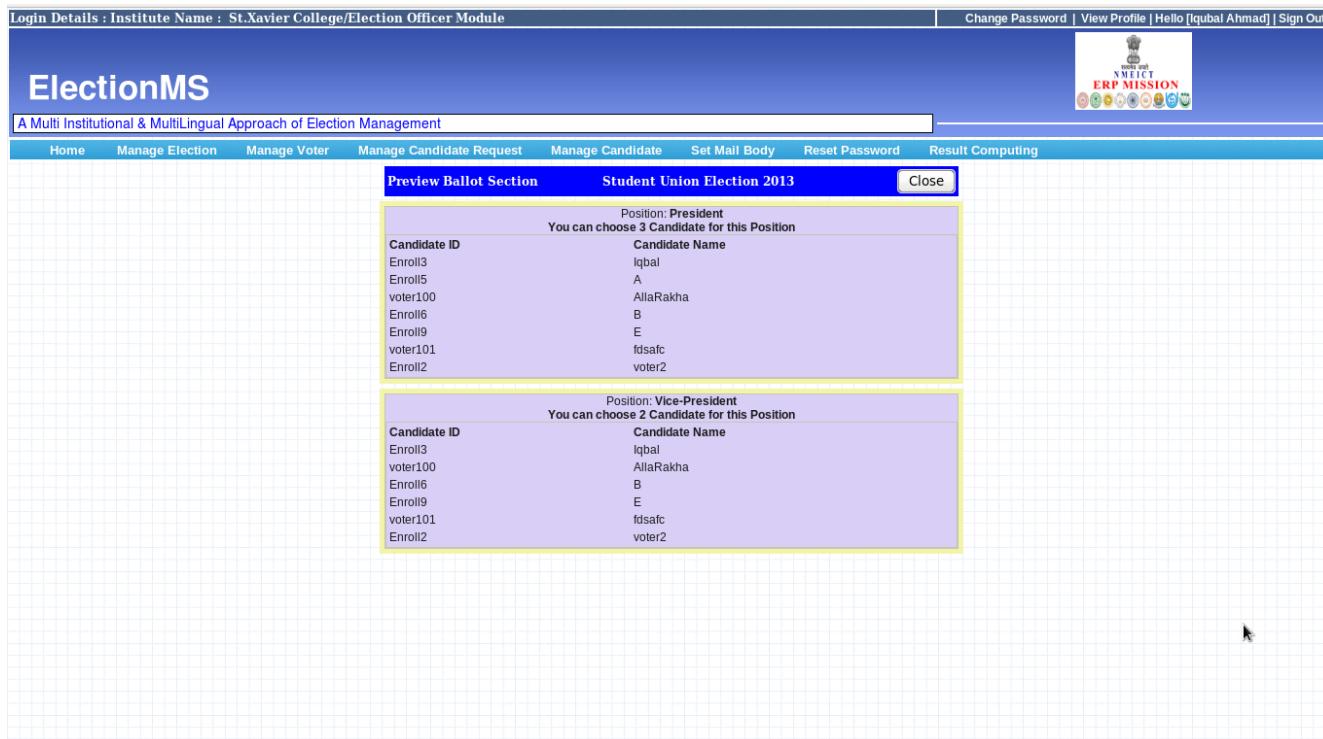


Fig 4.16 Preview Ballot Part 2

#### 4.8 View Voted Voter List

Election Officer/manager can view the all the voted voter list in different format such as XML,PDF,XLS,CSV etc. (*XML Format – when the xml link is clicked from grid*)

Login Details : Institute Name : St.Xavier College/Election Officer Module Change Password | View Profile | Hello [Iqbal Ahmad] | Sign Out

## ElectionMS

A Multi Institutional & MultiLingual Approach of Election Management

| Home                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Manage Election     | Manage Voter  | Manage Candidate Request | Manage Candidate                                                    | Set Mail Body | Reset Password      | Result Computing |                |                     |                                                                                 |                                                                                 |             |               |               |                |        |         |           |            |         |                     |                      |   |                     |        |        |                                                                     |           |                     |                |                |            |                                                                                 |   |      |        |        |                                                                     |           |                     |                |                |            |                                                                                 |   |      |        |        |                                                                     |           |                     |                |                |            |                                                                                 |   |              |        |        |                                                                     |           |                     |                |                |            |                                                                                 |   |                 |        |        |                                                                     |           |                     |                |                |            |                                                                                 |   |     |        |        |                                                                     |           |                     |                |                |            |                                                                                 |   |         |        |        |                                                                     |           |                     |                |                |            |                                                                                 |   |              |        |        |                                                                     |           |                     |                |                |            |                                                                                 |    |                 |        |        |                                                                     |           |                     |                |                |            |                                                                                 |   |                |        |        |                                                                     |           |                     |                |                |            |            |                                                                                 |
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----------------------|-----------|---------------------|----------------|----------------|------------|---------------------------------------------------------------------------------|---|--------------|--------|--------|---------------------------------------------------------------------|-----------|---------------------|----------------|----------------|------------|---------------------------------------------------------------------------------|---|-----------------|--------|--------|---------------------------------------------------------------------|-----------|---------------------|----------------|----------------|------------|---------------------------------------------------------------------------------|---|-----|--------|--------|---------------------------------------------------------------------|-----------|---------------------|----------------|----------------|------------|---------------------------------------------------------------------------------|---|---------|--------|--------|---------------------------------------------------------------------|-----------|---------------------|----------------|----------------|------------|---------------------------------------------------------------------------------|---|--------------|--------|--------|---------------------------------------------------------------------|-----------|---------------------|----------------|----------------|------------|---------------------------------------------------------------------------------|----|-----------------|--------|--------|---------------------------------------------------------------------|-----------|---------------------|----------------|----------------|------------|---------------------------------------------------------------------------------|---|----------------|--------|--------|---------------------------------------------------------------------|-----------|---------------------|----------------|----------------|------------|------------|---------------------------------------------------------------------------------|
| Pending Registration Request of Voter(2) <a href="#">Click here</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    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       |                     |                  |                |                     |                                                                                 |                                                                                 | Election_Id | Election_Name | Voting Status | Working Status | Action | Preview | Candidate | Voter List | Publish | Vote Cast Till Date | View All Voted Voter | 1 | Department Election | Closed | closed | <a href="#">Update</a> <a href="#">View</a> <a href="#">Results</a> | Cast Vote | PreferencialResults | Preview Ballot | Candidate List | Election 0 | <a href="#">PDF</a> <a href="#">XML</a> <a href="#">XLS</a> <a href="#">CSV</a> | 2 | HSBC | Closed | closed | <a href="#">Update</a> <a href="#">View</a> <a href="#">Results</a> | Cast Vote | PreferencialResults | Preview Ballot | Candidate List | Election 0 | <a href="#">PDF</a> <a href="#">XML</a> <a href="#">XLS</a> <a href="#">CSV</a> | 3 | Axix | Closed | closed | <a 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| Record Successfully Exported to XML and Saved <a href="#">Download It</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              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Fig 4.17 View Voted Voter List Part 1

When XML link is clicked then following msg appears in above screen , to Download file.

Login Details : Institute Name : St.Xavier College/Election Officer Module Change Password | View Profile | Hello [Iqbal Ahmad] | Sign Out

## ElectionMS

A Multi Institutional & MultiLingual Approach of Election Management

| Home                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   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PreferencialResults | Preview Ballot   | Candidate List | Voter List          | Election 0                                                                      | <a href="#">PDF</a> <a href="#">XML</a> <a href="#">XLS</a> <a href="#">CSV</a> |             |               |               |                |        |         |           |            |         |                     |                      |   |                     |        |        |                                                                     |           |                     |                |                |            |                                                                                 |   |      |        |        |                                                                     |           |                     |                |                |            |                                                                                 |   |      |        |        |                            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| Record Successfully Exported to XML and Saved <a href="#">Download It</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              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|            |            |                                                                                 |

Fig 4.18 View Voted Voter List Part 2

Now when the download link is clicked from above screen

This XML file does not appear to have any style information associated with it. The document tree is shown below.

```

-<Voted_Voter_Details>
-<Voter_Personal_Details>
<Institute_Name>St.Xavier College</Institute_Name>
<Election_Name>TestPreferencial2012</Election_Name>
<Voter_Name>B</Voter_Name>
<Voter_Email_Id>voter6@gmail.com</Voter_Email_Id>
<VotedStatus>NA</VotedStatus>
</Voter_Personal_Details>
-<Voter_Personal_Details>
<Institute_Name>St.Xavier College</Institute_Name>
<Election_Name>TestPreferencial2012</Election_Name>
<Voter_Name>C</Voter_Name>
<Voter_Email_Id>voter7@gmail.com</Voter_Email_Id>
<VotedStatus>NA</VotedStatus>
</Voter_Personal_Details>
-<Voter_Personal_Details>
<Institute_Name>St.Xavier College</Institute_Name>
<Election_Name>TestPreferencial2012</Election_Name>
<Voter_Name>AllaRakha</Voter_Name>
<Voter_Email_Id>voter100@gmail.com</Voter_Email_Id>
<VotedStatus>NA</VotedStatus>
</Voter_Personal_Details>
-<Voter_Personal_Details>
<Institute_Name>St.Xavier College</Institute_Name>
<Election_Name>TestPreferencial2012</Election_Name>
<Voter_Name>fdascafc</Voter_Name>
<Voter_Email_Id>voter101@gmail.com</Voter_Email_Id>
<VotedStatus>NA</VotedStatus>
</Voter_Personal_Details>
-</Voted_Voter_Details>

```

Fig 4.19 View Voted Voter List Part 3

## 4.9 Manage Voter → Register New Voter

Manage Voter:- Election Officer can Add, update ,delete Voter information through this link, Activity like Set voter list, Reset login password for voter are also manage through this link.

| Pending Registration Requests |                 |              |             |             |        |               |           |                     |                     | View All Voted Voter |                |                  |                  |     |     |     |     |     |
|-------------------------------|-----------------|--------------|-------------|-------------|--------|---------------|-----------|---------------------|---------------------|----------------------|----------------|------------------|------------------|-----|-----|-----|-----|-----|
| Electon_Id                    |                 | Electon_Name |             | Block Voter |        | Firm Election |           | Import Data         |                     | Vote Cast Till Date  |                |                  |                  |     |     |     |     |     |
| 1                             | Department      | Election     |             | Update      | View   | Results       | Cast Vote | PreferencialResults | Preview Ballot      | Candidate List       | Voter List     | Publish Election | 0                | PDF | XML | XLS | CSV |     |
| 2                             | HSBC            |              |             | Update      | View   | Results       | Cast Vote | PreferencialResults | Preview Ballot      | Candidate List       | Voter List     | Publish Election | 0                | PDF | XML | XLS | CSV |     |
| 3                             | Axix            |              |             | Update      | View   | Results       | Cast Vote | PreferencialResults | Preview Ballot      | Candidate List       | Voter List     | Publish Election | 0                | PDF | XML | XLS | CSV |     |
| 4                             | Board of vbu    |              |             | Update      | View   | Results       | Cast Vote | PreferencialResults | Preview Ballot      | Candidate List       | Voter List     | Publish Election | 0                | PDF | XML | XLS | CSV |     |
| 5                             | xavier election |              |             | Update      | View   | Results       | Cast Vote | PreferencialResults | Preview Ballot      | Candidate List       | Voter List     | Publish Election | 0                | PDF | XML | XLS | CSV |     |
| 6                             | xyz             |              |             | Update      | View   | Results       | Cast Vote | PreferencialResults | Preview Ballot      | Candidate List       | Voter List     | Publish Election | 0                | PDF | XML | XLS | CSV |     |
| 7                             | testing         |              | Not-Started | closed      | Update | View          | Results   | Cast Vote           | PreferencialResults | Preview Ballot       | Candidate List | Voter List       | Publish Election | 0   | PDF | XML | XLS | CSV |
| 8                             | AMU Election    |              | Not-Started | closed      | Update | View          | Results   | Cast Vote           | PreferencialResults | Preview Ballot       | Candidate List | Voter List       | Publish Election | 0   | PDF | XML | XLS | CSV |
| 12                            | QTY Electionnew |              | Not-Started | closed      | Update | View          | Results   | Cast Vote           | PreferencialResults | Preview Ballot       | Candidate List | Voter List       | Publish Election | 0   | PDF | XML | XLS | CSV |
| 9                             | Fresh Election  |              | Not-Started | closed      | Update | View          | Results   | Cast Vote           | PreferencialResults | Preview Ballot       | Candidate List | Voter List       | Publish Election | 0   | PDF | XML | XLS | CSV |

Fig 4.20 Manage Voter → Register New Voter Part 1

Election Officer/Manager can register voter from this link one by one if the number of voters is in small quantity.

The screenshot shows the 'Voter Registration Form' section of the EMS. It contains various input fields for voter information such as name, address, contact details, and academic background. A small profile picture of the voter is shown.

Fig 4.21 Manage Voter → Register New Voter Part 2

#### 4.10 Manage Voter → Register from Pending List

Election officer/manager can accept voter request from pending list of voter for registration. From link given in the home page of EMS.

| Enrollment No | Voter N | Add | View                       | Block Voter Frm Election | Block From Login | Update Voter Details | Set Voter List | Set Login Pass & Key | Set Voter Alternate Mail | Set Voter & Send Link | Year | Working Status |
|---------------|---------|-----|----------------------------|--------------------------|------------------|----------------------|----------------|----------------------|--------------------------|-----------------------|------|----------------|
| x1            | xa      |     | Register From Pending List |                          |                  |                      |                |                      |                          |                       |      | NOT REGISTERED |
| x101          | xb      |     |                            | Import Data              |                  |                      |                |                      |                          |                       |      | NOT REGISTERED |

Fig 4.22 Manage Voter → Register Pending List Part 1

#### 4.11 Manage Voter → Import data

Election manager /Officer can Import data from Excel Sheet if the number of voter is too large, according to the prescribe help given in the form(ie which column is mandatory)

**ElectionMS**  
A Multi Institutional & MultiLingual Approach of Election Management

Import Voter Registration Data

Upload Excel File

Note: You Need to Import Voter Registration Details data in XLS Format. [Help](#)  
Select Microsoft Excel File :

Fig 4.23 Manage Voter → Import data Part 1

the voter excel sheet help is given below ie which column is mandatory , which is activated when help link is clicked from above link.

**Voter Import XLS File Help**

Please Create a XLS File Having Following Column.

|                 |                              |
|-----------------|------------------------------|
| enrollment      | Y9125005                     |
| institut_id     | IITK                         |
| department      | ACES                         |
| course          | BTech                        |
| year            | 2011                         |
| course_duration | 4 yrs                        |
| current_session | 2009                         |
| joining_date    | 12-Dec-2010                  |
| voter_name      | Aradhana Verma               |
| gender          | F                            |
| birthdate       | 29-Dec-85                    |
| mobile_no       | 9235561111                   |
| c_address       | 228, DAMODAR NAGAR           |
| city            | KANPUR                       |
| state           | UTTAR PRADESH                |
| zip_code        | 20084933                     |
| country         | INDIA                        |
| p_address       | 228, DAMODAR NAGAR           |
| city1           | KANPUR                       |
| state1          | UP                           |
| zip_code1       | 534363636                    |
| country1        | INDIA                        |
| email           | aradhana.verma.001@gmail.com |
| f_name          | U K Verma                    |
| m_name          | Ritu Kri                     |
| alternate_email | anu@gmail.com                |

Mandatory Fields that cannot be left blank are:

|            |            |        |       |           |
|------------|------------|--------|-------|-----------|
| enrollment | voter_name | gender | email | birthdate |
|------------|------------|--------|-------|-----------|

Y334774 Aradhana Verma F aradhana.verma.001@gmail.com 29-Dec-85

\*Note:Please DoNot Change Order of Columns  
\*Note:Please DoNot Change Name of Column  
In Case of date Field Please change the format of cell to text type from format->cell->Number(Tab) Select Category(Text) for fields like birthdate

Fig 4.24 Manage Voter → Import data Part 2

#### 4.12 Manage Voter → View → Registered Voter

Election Manager can view list of active voter by clicking on view links respectively. Now From Given List of Voter election Officer/Manager can search voter according to its Name,Enrollment,Department ,Course etc .

| Enrollment No | Name                     | Department | Course | Year       | Working Status | Action    |
|---------------|--------------------------|------------|--------|------------|----------------|-----------|
| Enroll11      | voter11@gmail.com        |            | I      | 2011       | REGISTERED     | Send Mail |
| Enroll12      | voter12@gmail.com        |            | I      | 2011       | REGISTERED     | Send Mail |
| Enroll1       | voter1@gmail.com         | MCA        | 1987   | REGISTERED | Send Mail      |           |
| Enroll20      | kedar_muz@rediffmail.com |            |        |            | REGISTERED     | Send Mail |
| Enroll22      | enroll22@gmail.com       |            |        |            | REGISTERED     | Send Mail |
| Enroll23      |                          |            |        |            | REGISTERED     | Send Mail |
| Enroll24      |                          |            |        |            | REGISTERED     | Send Mail |
| Enroll30      | hisib                    | BSC        | 2011   | REGISTERED | Send Mail      |           |
| Enroll32      | Yug1                     | BSC        | 2011   | REGISTERED | Send Mail      |           |
| Enroll5       | A                        | BTech      | 2011   | REGISTERED | Send Mail      |           |
| Enroll6       | B                        |            |        |            | REGISTERED     | Send Mail |
| Enroll7       | C                        |            |        |            | REGISTERED     | Send Mail |
| Enroll8       | D                        |            |        |            | REGISTERED     | Send Mail |
| Enroll9       | E                        |            |        |            | REGISTERED     | Send Mail |
| voter100      | AllaRakha                | mca        | 2012   | REGISTERED | Send Mail      |           |
| voter101      | ftisatc                  | dse        | dd     | REGISTERED | Send Mail      |           |
| voter21       | voter21a                 | BSC        | 2011   | REGISTERED | Send Mail      |           |
| voter22       | Yug1                     | BSC        | 2011   | REGISTERED | Send Mail      |           |

Fig 4.25 Manage Voter → View → Registered Voter

#### 4.13 Manage Voter → View → Block from Election

Election Manager can view list of voter block from specific election election by clicking on view links respectively. Now From Given List of Voter election Officer/Manager can search voter according to its Name,Enrollment,Department ,Course etc .

| Enrollment No | Name                     | Department | Course | Year       | Working Status | Action    |
|---------------|--------------------------|------------|--------|------------|----------------|-----------|
| Enroll11      | voter11@gmail.com        |            | I      | 2011       | REGISTERED     | Send Mail |
| Enroll12      | voter12@gmail.com        |            | I      | 2011       | REGISTERED     | Send Mail |
| Enroll2       | voter1@gmail.com         | MCA        | 1987   | REGISTERED | Send Mail      |           |
| Enroll22      | kedar_muz@rediffmail.com |            |        |            | REGISTERED     | Send Mail |
| Enroll23      | enroll22@gmail.com       |            |        |            | REGISTERED     | Send Mail |
| Enroll30      | hisib                    | BSC        | 2011   | REGISTERED | Send Mail      |           |
| Enroll32      | Yug1                     | BSC        | 2011   | REGISTERED | Send Mail      |           |
| Enroll5       | A                        | BTech      | 2011   | REGISTERED | Send Mail      |           |
| Enroll6       | B                        |            |        |            | REGISTERED     | Send Mail |
| Enroll7       | C                        |            |        |            | REGISTERED     | Send Mail |
| Enroll8       | D                        |            |        |            | REGISTERED     | Send Mail |
| Enroll9       | E                        |            |        |            | REGISTERED     | Send Mail |
| voter100      | AllaRakha                | mca        | 2012   | REGISTERED | Send Mail      |           |
| voter101      | ftisatc                  | dse        | dd     | REGISTERED | Send Mail      |           |
| voter21       | voter21a                 | BSC        | 2011   | REGISTERED | Send Mail      |           |
| voter22       | Yug1                     | BSC        | 2011   | REGISTERED | Send Mail      |           |

Fig 4.26 Manage Voter → View → Block from Election

#### 4.14 Manage Voter → View → Block from Login

Election Manager can view list of block voter from Login by clicking on view links respectively. Now From Given List of Voter election Officer/Manager can search voter according to its Name,Enrollment,Department ,Course etc .

| Enrollment No | Name              | Department | Course | Year | Working Status | Action    |
|---------------|-------------------|------------|--------|------|----------------|-----------|
| Enroll11      | voter11@gmail.com |            | I      | 2011 | REGISTERED     | Send Mail |
| Enroll12      | voter12@gmail.com |            | I      | 2011 | REGISTERED     | Send Mail |
| Enroll13      | voter13@gmail.com | MCA        | 1987   | 1987 | REGISTERED     | Send Mail |
| Enroll14      | voter14@gmail.com |            | I      | 2011 | REGISTERED     | Send Mail |
| Enroll15      | voter15@gmail.com | BSC        | 2011   | 2011 | REGISTERED     | Send Mail |
| Enroll16      | voter16@gmail.com | BTech      | 2011   | 2011 | REGISTERED     | Send Mail |
| Enroll17      | voter17@gmail.com |            | I      | 2011 | REGISTERED     | Send Mail |
| Enroll18      | voter18@gmail.com |            | I      | 2011 | REGISTERED     | Send Mail |
| Enroll19      | voter19@gmail.com |            | I      | 2011 | REGISTERED     | Send Mail |
| voter100      | AllaRakha         | mca        | 2012   | 2012 | REGISTERED     | Send Mail |
| voter101      | fsdafs            | dsc        | dd     | dd   | REGISTERED     | Send Mail |
| voter21       | voter21a          | BSC        | 2011   | 2011 | REGISTERED     | Send Mail |
| voter22       | Yug1              | BSC        | 2011   | 2011 | REGISTERED     | Send Mail |

Fig 4.27 Manage Voter → View → Block from Login

#### 4.15 Manage Voter → View → View All

Election Manager can view all types voter(Registered/Blocked/Unregistered) by clicking on view links respectively. Now From Given List of Voter election Officer/Manager can search voter according to its Name,Enrollment,Department ,Course etc .

| Enrollment No | Name              | Department | Course | Year | Working Status | Action    |
|---------------|-------------------|------------|--------|------|----------------|-----------|
| Enroll11      | voter11@gmail.com |            | I      | 2011 | REGISTERED     | Send Mail |
| Enroll12      | voter12@gmail.com |            | I      | 2011 | REGISTERED     | Send Mail |
| Enroll13      | voter13@gmail.com | MCA        | 1987   | 1987 | REGISTERED     | Send Mail |
| Enroll14      | voter14@gmail.com |            | I      | 2011 | REGISTERED     | Send Mail |
| Enroll15      | voter15@gmail.com | BSC        | 2011   | 2011 | REGISTERED     | Send Mail |
| Enroll16      | voter16@gmail.com | BTech      | 2011   | 2011 | REGISTERED     | Send Mail |
| Enroll17      | voter17@gmail.com |            | I      | 2011 | REGISTERED     | Send Mail |
| Enroll18      | voter18@gmail.com |            | I      | 2011 | REGISTERED     | Send Mail |
| Enroll19      | voter19@gmail.com |            | I      | 2011 | REGISTERED     | Send Mail |
| voter100      | AllaRakha         | mca        | 2012   | 2012 | REGISTERED     | Send Mail |
| voter101      | fsdafs            | dsc        | dd     | dd   | REGISTERED     | Send Mail |
| voter21       | voter21a          | BSC        | 2011   | 2011 | REGISTERED     | Send Mail |
| voter22       | Yug1              | BSC        | 2011   | 2011 | REGISTERED     | Send Mail |

Fig 4.28 Manage Voter → View → View All

#### 4.16 Manage Voter → Block voter from election

Election Manager can block voter from any Specific Election, so only for that election voter is blocked.

Fig 4.29 Manage Voter → Block Voter from Election

The screenshot shows a web-based election management system. At the top, there's a header bar with 'Login Details : Institute Name : St.Xavier College/Election Officer Module', 'Change Password | View Profile | Hello [Iqubal Ahmad] | Sign Out', and the NMEICT ERP MISSION logo. Below the header is a navigation menu with links like Home, Manage Election, Manage Voter, Manage Candidate Request, Manage Candidate, Set Mail Body, Reset Password, and Result Computing. A sub-menu for 'Manage Voter' is open, showing a 'Block Voter' option. The main content area has a search bar for 'Enter Starting Keyword(s)' containing 'enroll11' and a 'Clear' button. There's also a 'Sort By' dropdown set to 'Field' and an 'Enrollment No' search input. A 'Select Election' dropdown is set to 'Student Union Election 2013'. A table lists voters with columns: Enrollment No, Voter Name, Email, Course, Year, Working Status, and Action. The 'Working Status' column for voter11 shows 'block'. A message at the bottom states 'Voter voter11@gmail.com has been Blocked for the Election Student Union Election 2013'.

#### 4.17 Manage Voter → Block voter from Login

Voter can be blocked from login ,if he finds in any in disciplinary activities so that he/she may not login into the system.

This screenshot shows the same election management system interface as Fig 4.29, but with a different list of voters. The 'Action' column for voter11 now contains a 'Block' link, which is highlighted with a cursor. The rest of the table and interface elements are identical to the previous screenshot.

Fig 4.30 Manage Voter → Block Voter from Login Part 1

search the voter to whom Election manager wants to block then after clicking on block link he/she can block the voter.

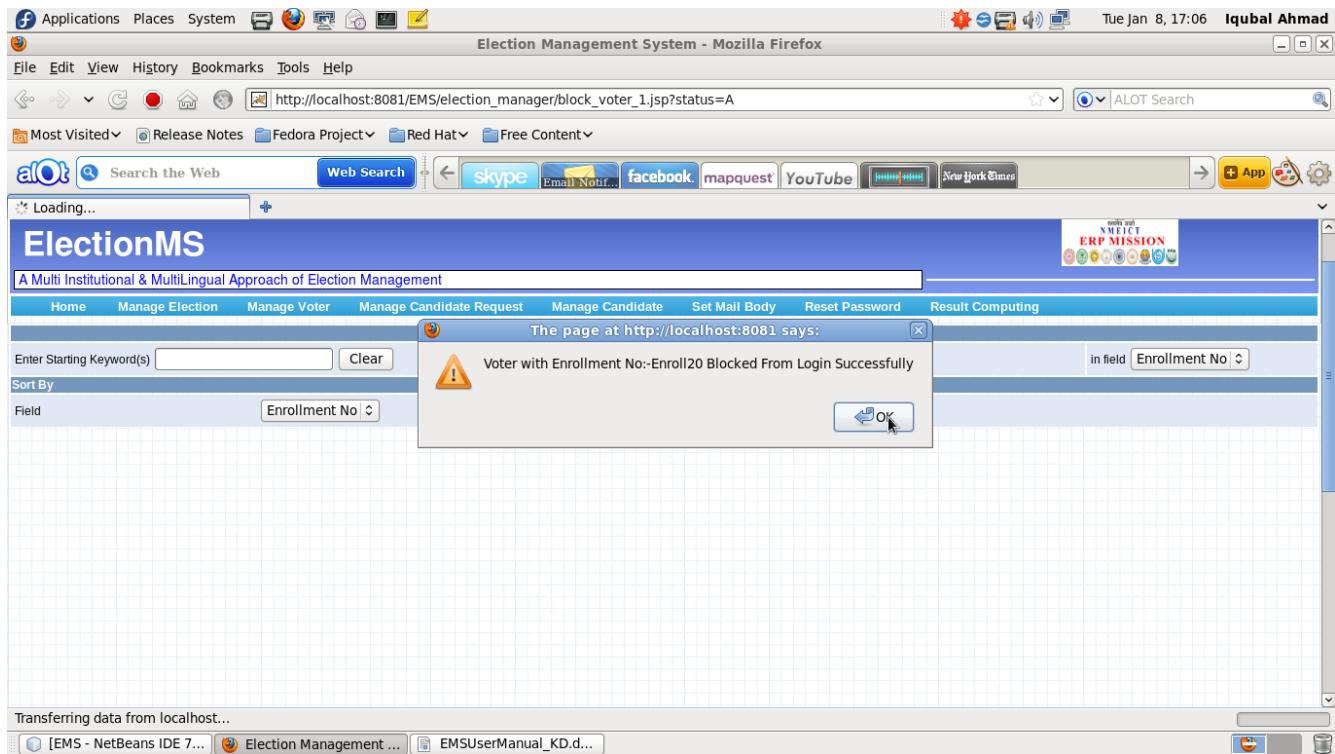


Fig 4.31 Manage Voter → Block Voter from Login Part 2

#### 4.18 Manage Voter → Update Voter Details

Election Manager/Officer can Update a voter details ,if he finds such updatation in any information is mandatory.

| Login Details : Institute Name : St.Xavier College/Election Officer Module                                                                                                                                                                                |               |            |                    |                         |                  |        | Change Password                                                      | View Profile | Hello [Iqubal Ahmad] | Sign Out |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|------------|--------------------|-------------------------|------------------|--------|----------------------------------------------------------------------|--------------|----------------------|----------|
| ElectionMS                                                                                                                                                                                                                                                |               |            |                    |                         |                  |        | A Multi Institutional & MultiLingual Approach of Election Management |              |                      |          |
| <a href="#">Home</a> <a href="#">Manage Election</a> <a href="#">Manage Voter</a> <a href="#">Manage Candidate Request</a> <a href="#">Manage Candidate</a> <a href="#">Set Mail Body</a> <a href="#">Reset Password</a> <a href="#">Result Computing</a> |               |            |                    |                         |                  |        | <a href="#">Search Voter</a> <a href="#">in field Enrollment No</a>  |              |                      |          |
| Field                                                                                                                                                                                                                                                     | Enrollment No | Voter Name | Email              | Alternate Email         | Working Status   | Action |                                                                      |              |                      |          |
| Enter Starting Keyword(s)                                                                                                                                                                                                                                 |               |            |                    |                         |                  |        |                                                                      |              |                      |          |
| Sort By                                                                                                                                                                                                                                                   |               |            |                    |                         |                  |        |                                                                      |              |                      |          |
| Field                                                                                                                                                                                                                                                     | Enrollment No | voter1     | voter1@gmail.com   | enroll1@rediffmail.com  | Blockedfromlogin | Update |                                                                      |              |                      |          |
|                                                                                                                                                                                                                                                           |               | F          | voter10@gmail.com  | enroll10@rediffmail.com | block            | Update |                                                                      |              |                      |          |
| Enroll11                                                                                                                                                                                                                                                  | G             | voter11    | voter11@gmail.com  | anu@gmail.com           | REGISTERED       | Update |                                                                      |              |                      |          |
| Enroll12                                                                                                                                                                                                                                                  | H             | voter12    | voter12@gmail.com  | anu@gmail.com           | REGISTERED       | Update |                                                                      |              |                      |          |
| Enroll20                                                                                                                                                                                                                                                  | I             | voter2     | voter1@gmail.com   | anu@gmail.com           | REGISTERED       | Update |                                                                      |              |                      |          |
| Enroll22                                                                                                                                                                                                                                                  | J             | voter22    | voter2@gmail.com   | anu@gmail.com           | REGISTERED       | Update |                                                                      |              |                      |          |
| Enroll23                                                                                                                                                                                                                                                  | K             | voter23    | voter23@gmail.com  | anu@gmail.com           | REGISTERED       | Update |                                                                      |              |                      |          |
| Enroll24                                                                                                                                                                                                                                                  | L             | voter24    | voter24@gmail.com  | anu@gmail.com           | REGISTERED       | Update |                                                                      |              |                      |          |
| Enroll3                                                                                                                                                                                                                                                   | M             | voter3     | voter3@gmail.com   | anu@gmail.com           | REGISTERED       | Update |                                                                      |              |                      |          |
| Enroll30                                                                                                                                                                                                                                                  | N             | voter30    | voter30@gmail.com  | anu@gmail.com           | REGISTERED       | Update |                                                                      |              |                      |          |
| Enroll32                                                                                                                                                                                                                                                  | O             | voter32    | voter32@gmail.com  | abc                     | REGISTERED       | Update |                                                                      |              |                      |          |
| Enroll5                                                                                                                                                                                                                                                   | P             | voter5     | voter5@gmail.com   | anu@gmail.com           | REGISTERED       | Update |                                                                      |              |                      |          |
| Enroll6                                                                                                                                                                                                                                                   | Q             | voter6     | voter6@gmail.com   | anu@gmail.com           | REGISTERED       | Update |                                                                      |              |                      |          |
| Enroll7                                                                                                                                                                                                                                                   | R             | voter7     | voter7@gmail.com   | anu@gmail.com           | REGISTERED       | Update |                                                                      |              |                      |          |
| Enroll8                                                                                                                                                                                                                                                   | S             | voter8     | voter8@gmail.com   | anu@gmail.com           | REGISTERED       | Update |                                                                      |              |                      |          |
| Enroll9                                                                                                                                                                                                                                                   | T             | voter9     | voter9@gmail.com   | anu@gmail.com           | REGISTERED       | Update |                                                                      |              |                      |          |
| voter100                                                                                                                                                                                                                                                  | U             | AllaRakha  | voter100@gmail.com | voter100@rediffmail.com | REGISTERED       | Update |                                                                      |              |                      |          |
| voter200                                                                                                                                                                                                                                                  | V             | voter200   | voter200@gmail.com | voter200@rediffmail.com | REGISTERED       | Update |                                                                      |              |                      |          |
| voter21                                                                                                                                                                                                                                                   | W             | voter21    | voter21@gmail.com  | voter21@rediffmail.com  | REGISTERED       | Update |                                                                      |              |                      |          |
| voter22                                                                                                                                                                                                                                                   | X             | voter22    | voter22@gmail.com  | voter22@rediffmail.com  | REGISTERED       | Update |                                                                      |              |                      |          |
| x1                                                                                                                                                                                                                                                        | Y             | xa         | x1@gmail.com       | x1@gmail.com            | NOT REGISTERED   | Update |                                                                      |              |                      |          |
| x101                                                                                                                                                                                                                                                      | Z             | xb         | x11@gmail.com      | x11@gmail.com           | NOT REGISTERED   | Update |                                                                      |              |                      |          |

Fig 4.32 Manage Voter → Update Voter Details

search the voter to whom election manager wants to update details of voter,after clicking on update link following screen appears.

Search Voter

Enter Starting Keyword(s)

Sort By

|                                                           |                                                     |                                                                                                             |                                               |
|-----------------------------------------------------------|-----------------------------------------------------|-------------------------------------------------------------------------------------------------------------|-----------------------------------------------|
| Enrollment Number*:                                       | <input type="text" value="Enroll1"/>                |                            | <input type="button" value="Browse..."/>      |
| Institute Name*                                           | <input type="text" value="St.Xavier College"/>      |                                                                                                             |                                               |
| Department:                                               | <input type="text" value="computer science"/>       | Corresponding Address:                                                                                      | <input type="text" value="asssssss"/>         |
| Course:                                                   | <input type="text" value="mca"/>                    | Country:                                                                                                    | <input type="button" value="Select Country"/> |
| Year:                                                     | <input type="text" value="2012"/>                   | State:                                                                                                      | <input type="button" value="Select"/>         |
| Duration of course:                                       | <input type="text" value="3"/>                      | City:                                                                                                       | <input type="text" value="Aligarh"/>          |
| Current Session:                                          | <input type="text" value="2012"/>                   | Zip Code:                                                                                                   | <input type="text" value="8976555"/>          |
| Date of Joining<br>(DD-MM-YYYY)                           | <input type="text" value="2012-08-08"/>             | <input type="checkbox"/> <a href="#">Click Here</a> (If permanent address is same as corresponding address) |                                               |
| Voter(student) Name*                                      | <input type="text" value="voter1"/>                 | Permanent Address:                                                                                          | <input type="text" value="asssssss"/>         |
| Gender*                                                   | <input type="button" value="Male"/>                 | City                                                                                                        | <input type="text" value="Aligarh"/>          |
| Date of Birth*<br>(DD-MM-YYYY)                            | <input type="text" value="2012-07-06"/>             | State                                                                                                       | <input type="text" value="Uttar Pradesh"/>    |
| Father's Name                                             | <input type="text" value="ghhh"/>                   | ZIP Code                                                                                                    | <input type="text" value="8976555"/>          |
| Mother's Name                                             | <input type="text" value="kuii"/>                   | Country                                                                                                     | <input type="text"/>                          |
| Mobile No:                                                | <input type="text" value="89766666"/>               |                                                                                                             |                                               |
| <b>Important!</b> Please provide a working email address: |                                                     |                                                                                                             |                                               |
| Email*:                                                   | <input type="text" value="voter@gmail.com"/>        |                                                                                                             |                                               |
| Alternate Email:                                          | <input type="text" value="enroll1@rediffmail.com"/> | <input type="button" value="Update"/> <input type="button" value="Cancel"/>                                 |                                               |

Fig 4.33 Manage Voter → Update Voter Details

## 4.19 Manage Voter → Set Voter List

Election Officer/Manager Decides Which voter is Valid For voting in Specific Election among various Elections. So when a voter is set from this link only He/She is Eligible to vote in a specific election.

Fig 4.34 Manage Voter → Set Voter List Part 1

after clicking on set voter button following screen appears, confirms that these voter are eligible for voting as there encrypted one time key has been send in there mail.

A Multi Institutional & MultiLingual Approach of Election Management

Home Manage Election Manage Voter Manage Candidate Request Manage Candidate Set Mail Body Reset Password Result Computing

Set Voter Interface

Enter Starting Keyword(s)  Clear in field Enrollment No

Sort By Field Enrollment No

|               |            | Select Election          | Student Union Election 2013 |      | Action         | Current Page | Set Voter |
|---------------|------------|--------------------------|-----------------------------|------|----------------|--------------|-----------|
| Enrollment No | Voter Name | Email                    | Course                      | Year | Working Status | Action       |           |
| Enroll11      | G          | voter11@gmail.com        |                             |      | REGISTERED     | Send Mail    |           |
| Enroll12      | H          | voter12@gmail.com        |                             |      | REGISTERED     | Send Mail    |           |
| Enroll12      | voter2     | voter1@gmail.com         | MCA                         | 1987 | REGISTERED     | Send Mail    |           |
| Enroll20      |            | kedar_muz@rediffmail.com |                             |      | REGISTERED     | Send Mail    |           |
| Enroll22      |            | enroll22@gmail.com       |                             |      | REGISTERED     | Send Mail    |           |
| Enroll23      |            |                          |                             |      | REGISTERED     | Send Mail    |           |
| Enroll24      |            |                          |                             |      | REGISTERED     | Send Mail    |           |
| Enroll3       |            | voter3@gmail.com         |                             |      | REGISTERED     | Send Mail    |           |
| Enroll30      | hissb      | enroll30@gmail.com       | BSC                         | 2011 | REGISTERED     | Send Mail    |           |
| Enroll32      | Yug1       | enroll32@gmail.com       | BSC                         | 2011 | REGISTERED     | Send Mail    |           |
| Enroll3       | A          | voter5@gmail.com         | BTech                       | 2011 | REGISTERED     | Send Mail    |           |
| Enroll6       | B          | voter6@gmail.com         |                             |      | REGISTERED     | Send Mail    |           |
| Enroll7       | C          | voter7@gmail.com         |                             |      | REGISTERED     | Send Mail    |           |
| Enroll8       | D          | voter8@gmail.com         |                             |      | REGISTERED     | Send Mail    |           |
| Enroll9       | E          | voter9@gmail.com         |                             |      | REGISTERED     | Send Mail    |           |
| voter100      | AllaRakha  | voter100@gmail.com       | mca                         | 2012 | REGISTERED     | Send Mail    |           |
| voter101      | tdsafs     | voter101@gmail.com       | dsf                         | dd   | REGISTERED     | Send Mail    |           |
| voter21       | voter21a   | voter21@gmail.com        | BSC                         | 2011 | REGISTERED     | Send Mail    |           |
| voter22       | Yug1       | voter22@gmail.com        | BSC                         | 2011 | REGISTERED     | Send Mail    |           |

next | previous Total Number of Voters Per Page: 19

One time key has been send successfully to= voter11@gmail.com One time key has been send successfully to Alternate Mail= anu@gmail.com One time key has been send successfully to= voter12@gmail.com One time key has been send successfully to Alternate Mail= anu@gmail.com One time key has been send successfully to= voter1@gmail.com One time key has been send successfully to Alternate Mail= null One time key has been send successfully to= kedar\_muz@rediffmail.com One time key has been send successfully to Alternate Mail= null One time key has been send successfully to= enroll22@gmail.com One time key has been send successfully to Alternate Mail= null One time key has been send successfully to= null One time key has been send successfully to= null One time key has been send successfully to= voter3@gmail.com One time key has been send successfully to Alternate Mail= null One time key has been send successfully to= voter100@gmail.com One time key has been send successfully to= voter101@gmail.com One time key has been send successfully to= voter21@gmail.com One time key has been send successfully to= voter22@gmail.com One time key has been send successfully to= voter6@gmail.com One time key has been send successfully to= voter10@gmail.com One time key has been send successfully to= voter11@gmail.com One time key has been send successfully to= voter12@gmail.com One time key has been send successfully to= voter1@gmail.com One time key has been send successfully to= voter3@gmail.com One time key has been send successfully to= voter100@gmail.com One time key has been send successfully to= voter101@gmail.com One time key has been send successfully to= voter21@gmail.com One time key has been send successfully to= voter22@gmail.com One time key has been send successfully to= voter6@gmail.com One time key has been send successfully to= voter10@gmail.com One time key has been send successfully to= voter11@gmail.com One time key has been send successfully to= voter12@gmail.com One time key has been send successfully to= voter1@gmail.com

Fig 4.35 Manage Voter → Set Voter List part 2

Mail containing encrypted one time key is send in the mail of voter as below

You are using a version of Firefox which Gmail no longer supports. Some features may not work correctly. Upgrade to a [modern browser](#), such as [Google Chrome](#). [Dismiss](#)

+You Search Images Maps Play YouTube News Gmail Drive Calendar More

Google Gmail

Compose

Inbox (19)

Starred

Important

Sent Mail

Drafts

Personal

Search, chat, or SMS

0% full  
Using 0 GB of your 10.1 GB

2000Gb ResellerHost=Rs249 - julycloud.com/#1.Reseller.Host.India - Free-DomainReseller-BillingSoftware Free-WebSiteBuilder-UnlimitedCpanel

One time key for voting for : Student Union Election 2013 election

amuedrp@gmail.com to voter22

4:11 PM (0 minutes ago)

Your one time key for casting your ballot for Student Union Election 2013 Election Only is 1

Click here to [Reply](#) or [Forward](#)

Ads - Why this ad?

2000Gb ResellerHost=Rs249  
Free-DomainReseller-BillingSoftware Free-WebSiteBuilder-UnlimitedCpanel  
julycloud.com/#1.Reseller.Host.India

Ads - Why this ad?

voter22  
voter22@gmail.com

Show details

Ads - Why these ads?

Become a Domain Reseller  
Start Your Own Domain Business With .IN @ Rs.399 & .COM @ 485. Sign Up India.ResellerClub.com

Make a website for free  
Build a website in 3 minutes with a personal domain. Try now for Free! www.simplesite.com

PG Diploma in Event Mgmt  
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Fig 4.36 Manage Voter → Set Voter List Part 3

#### 4.20 Manage Voter → Set Login Password & One Time Key

Election Officer/manager set Login and Password as well as one time key for voting (ie for security purpose) Once the voter is set for voting for Specific election , When the Election officer set this ,a mail Containing password and Security key is recieve by voter in his mail.

a) Reset Login Password & One Time Key for Voting process of All Voter

Login Details : Institute Name : St.Xavier College/Election Officer Module

Change Password | View Profile | Hello [Iqbal Ahmad] | Sign Out



**ElectionMS**

A Multi Institutional & MultiLingual Approach of Election Management

| Home                      | Manage Election | Manage Voter             | Manage Candidate Request            | Manage Candidate | Set Mail Body                                                    | Reset Password | Result Computing                            |  |
|---------------------------|-----------------|--------------------------|-------------------------------------|------------------|------------------------------------------------------------------|----------------|---------------------------------------------|--|
|                           |                 | Add                      |                                     |                  | Reset Voter Password                                             |                |                                             |  |
| Enter Starting Keyword(s) |                 | View                     |                                     |                  |                                                                  |                | in field <input type="text"/> Enrollment No |  |
| Sort By                   |                 | Block Voter Fm Election  |                                     |                  |                                                                  |                |                                             |  |
| Field                     | Enrollment No   | Block From Login         | Event Union Election 2013           | Action           | Current Page ( Reset Password & One Time Key for Voting Process) |                | Submit                                      |  |
| Enrollment No             |                 | Update Voter Details     | Email                               | Course           | Year                                                             | Working Status | Action                                      |  |
| Enroll11                  |                 | voter11@gmail.com        |                                     |                  |                                                                  | REGISTERED     | <a href="#">Send Mail</a>                   |  |
| Enroll12                  |                 | voter12@gmail.com        |                                     |                  |                                                                  | REGISTERED     | <a href="#">Send Mail</a>                   |  |
| Enroll2                   |                 | voter1@gmail.com         | MCA                                 | 1987             |                                                                  | REGISTERED     | <a href="#">Send Mail</a>                   |  |
| Enroll20                  |                 | kedar_muz@rediffmail.com |                                     |                  |                                                                  | REGISTERED     | <a href="#">Send Mail</a>                   |  |
| Enroll22                  |                 | enroll22@gmail.com       |                                     |                  |                                                                  | REGISTERED     | <a href="#">Send Mail</a>                   |  |
| Enroll23                  |                 |                          |                                     |                  |                                                                  | REGISTERED     | <a href="#">Send Mail</a>                   |  |
| Enroll24                  |                 |                          |                                     |                  |                                                                  | REGISTERED     | <a href="#">Send Mail</a>                   |  |
| Enroll3                   |                 | voter3@gmail.com         |                                     |                  |                                                                  | REGISTERED     | <a href="#">Send Mail</a>                   |  |
| Enroll30                  | hissb           | enroll30@gmail.com       | BSC                                 | 2011             |                                                                  | REGISTERED     | <a href="#">Send Mail</a>                   |  |
| Enroll32                  | Yug1            | enroll32@gmail.com       | BSC                                 | 2011             |                                                                  | REGISTERED     | <a href="#">Send Mail</a>                   |  |
| Enroll5                   | A               | voter5@gmail.com         | BTech                               | 2011             |                                                                  | REGISTERED     | <a href="#">Send Mail</a>                   |  |
| Enroll6                   | B               | voter6@gmail.com         |                                     |                  |                                                                  | REGISTERED     | <a href="#">Send Mail</a>                   |  |
| Enroll7                   | C               | voter7@gmail.com         |                                     |                  |                                                                  | REGISTERED     | <a href="#">Send Mail</a>                   |  |
| Enroll8                   | D               | voter8@gmail.com         |                                     |                  |                                                                  | REGISTERED     | <a href="#">Send Mail</a>                   |  |
| Enroll9                   | E               | voter9@gmail.com         |                                     |                  |                                                                  | REGISTERED     | <a href="#">Send Mail</a>                   |  |
| voter100                  | AllaRakha       | voter100@gmail.com       | mca                                 | 2012             |                                                                  | REGISTERED     | <a href="#">Send Mail</a>                   |  |
| voter101                  | ldsafc          | voter101@gmail.com       | dsf                                 | dd               |                                                                  | REGISTERED     | <a href="#">Send Mail</a>                   |  |
| voter21                   | voter21a        | voter21@gmail.com        | BSC                                 | 2011             |                                                                  | REGISTERED     | <a href="#">Send Mail</a>                   |  |
| voter22                   | Yug1            | voter22@gmail.com        | BSC                                 | 2011             |                                                                  | REGISTERED     | <a href="#">Send Mail</a>                   |  |
| <a href="#">next</a>      |                 | <a href="#">previous</a> | Total Number of Voters Per Page: 19 |                  |                                                                  |                |                                             |  |

Fig 4.37 Manage Voter → Set Login Password & One Time Key Part 1

b) Set Login Pass and One Time Key For Voter Who have not cast there vote till yet:-

Login Details : Institute Name : St.Xavier College/Election Officer Module

Change Password | View Profile | Hello [Iqubal Ahmad] | Sign Out


**ERP SESSION**  


## ElectionMS

A Multi Institutional & MultiLingual Approach of Election Management

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| Home                                                                                                                                                                                                                                                                                              | Manage Election          | Manage Voter                                                                                                                              | Manage Candidate Request | Manage Candidate                                                                                                                                                                                                                                                                                                                                     | Set Mail Body            | Reset Password           | Result Computing                                                                                                         |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|--------------------------|--------------------------------------------------------------------------------------------------------------------------|
| Reset Voter Password                                                                                                                                                                                                                                                                              |                          |                                                                                                                                           |                          |                                                                                                                                                                                                                                                                                                                                                      |                          |                          |                                                                                                                          |
| <input style="width: 100%; height: 25px; border: 1px solid #ccc; border-radius: 5px; margin-bottom: 5px;" type="text"/> Enter Starting Keyword(s) <input style="width: 100px; height: 25px; border: 1px solid #ccc; border-radius: 5px;" type="button" value="Clear"/>                            |                          |                                                                                                                                           |                          | In field <input type="checkbox"/> Enrollment No <input type="checkbox"/>                                                                                                                                                                                                                                                                             |                          |                          |                                                                                                                          |
| Sort By <input style="width: 100px; height: 25px; border: 1px solid #ccc; border-radius: 5px; margin-right: 10px;" type="button" value="Field"/> <input style="width: 100px; height: 25px; border: 1px solid #ccc; border-radius: 5px; margin-right: 10px;" type="button" value="Enrollment No"/> |                          |                                                                                                                                           |                          |                                                                                                                                                                                                                                                                                                                                                      |                          |                          |                                                                                                                          |
| <input style="width: 100%; height: 25px; border: 1px solid #ccc; border-radius: 5px;" type="button" value="Select Election"/>                                                                                                                                                                     |                          | <input style="width: 100%; height: 25px; border: 1px solid #ccc; border-radius: 5px;" type="button" value="Student Union Election 2013"/> |                          | Action <input style="width: 100px; height: 25px; border: 1px solid #ccc; border-radius: 5px; margin-right: 10px;" type="button" value="Current Page ( Reset Password &amp; One Time Key for Voter not Cast there vote yet.)"/> <input style="width: 100px; height: 25px; border: 1px solid #ccc; border-radius: 5px;" type="button" value="Submit"/> |                          |                          |                                                                                                                          |
| <input type="checkbox"/>                                                                                                                                                                                                                                                                          | <input type="checkbox"/> | <input type="checkbox"/>                                                                                                                  | <input type="checkbox"/> | <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>                                                                                                 |
| Enroll1                                                                                                                                                                                                                                                                                           | S                        | voter1@gmail.com                                                                                                                          |                          |                                                                                                                                                                                                                                                                                                                                                      |                          | REGISTERED               | <input style="width: 100px; height: 25px; border: 1px solid #ccc; border-radius: 5px;" type="button" value="Send Mail"/> |
| Enroll12                                                                                                                                                                                                                                                                                          | H                        | voter12@gmail.com                                                                                                                         | I                        | I                                                                                                                                                                                                                                                                                                                                                    |                          | REGISTERED               | <input style="width: 100px; height: 25px; border: 1px solid #ccc; border-radius: 5px;" type="button" value="Send Mail"/> |
| Enroll2                                                                                                                                                                                                                                                                                           | voter2                   | voter1@gmail.com                                                                                                                          | MCA                      | 1987                                                                                                                                                                                                                                                                                                                                                 |                          | REGISTERED               | <input style="width: 100px; height: 25px; border: 1px solid #ccc; border-radius: 5px;" type="button" value="Send Mail"/> |
| Enroll20                                                                                                                                                                                                                                                                                          |                          | kedar_muiz@rediffmail.com                                                                                                                 |                          |                                                                                                                                                                                                                                                                                                                                                      |                          | REGISTERED               | <input style="width: 100px; height: 25px; border: 1px solid #ccc; border-radius: 5px;" type="button" value="Send Mail"/> |
| Enroll22                                                                                                                                                                                                                                                                                          |                          | enroll22@gmail.com                                                                                                                        |                          |                                                                                                                                                                                                                                                                                                                                                      |                          | REGISTERED               | <input style="width: 100px; height: 25px; border: 1px solid #ccc; border-radius: 5px;" type="button" value="Send Mail"/> |
| Enroll23                                                                                                                                                                                                                                                                                          |                          |                                                                                                                                           |                          |                                                                                                                                                                                                                                                                                                                                                      |                          | REGISTERED               | <input style="width: 100px; height: 25px; border: 1px solid #ccc; border-radius: 5px;" type="button" value="Send Mail"/> |
| Enroll24                                                                                                                                                                                                                                                                                          |                          |                                                                                                                                           |                          |                                                                                                                                                                                                                                                                                                                                                      |                          | REGISTERED               | <input style="width: 100px; height: 25px; border: 1px solid #ccc; border-radius: 5px;" type="button" value="Send Mail"/> |
| Enroll3                                                                                                                                                                                                                                                                                           |                          | voter3@gmail.com                                                                                                                          |                          |                                                                                                                                                                                                                                                                                                                                                      |                          | REGISTERED               | <input style="width: 100px; height: 25px; border: 1px solid #ccc; border-radius: 5px;" type="button" value="Send Mail"/> |
| enroll30                                                                                                                                                                                                                                                                                          | bissb                    | enroll30@gmail.com                                                                                                                        | BSC                      | 2011                                                                                                                                                                                                                                                                                                                                                 |                          | REGISTERED               | <input style="width: 100px; height: 25px; border: 1px solid #ccc; border-radius: 5px;" type="button" value="Send Mail"/> |
| Enroll32                                                                                                                                                                                                                                                                                          | Yug1                     | enroll32@gmail.com                                                                                                                        | BSC                      | 2011                                                                                                                                                                                                                                                                                                                                                 |                          | REGISTERED               | <input style="width: 100px; height: 25px; border: 1px solid #ccc; border-radius: 5px;" type="button" value="Send Mail"/> |
| Enroll5                                                                                                                                                                                                                                                                                           | A                        | voter5@gmail.com                                                                                                                          | BTech                    | 2011                                                                                                                                                                                                                                                                                                                                                 |                          | REGISTERED               | <input style="width: 100px; height: 25px; border: 1px solid #ccc; border-radius: 5px;" type="button" value="Send Mail"/> |
| Enroll6                                                                                                                                                                                                                                                                                           | B                        | voter6@gmail.com                                                                                                                          | I                        | I                                                                                                                                                                                                                                                                                                                                                    |                          | REGISTERED               | <input style="width: 100px; height: 25px; border: 1px solid #ccc; border-radius: 5px;" type="button" value="Send Mail"/> |
| Enroll7                                                                                                                                                                                                                                                                                           | C                        | voter7@gmail.com                                                                                                                          | I                        | I                                                                                                                                                                                                                                                                                                                                                    |                          | REGISTERED               | <input style="width: 100px; height: 25px; border: 1px solid #ccc; border-radius: 5px;" type="button" value="Send Mail"/> |
| Enroll8                                                                                                                                                                                                                                                                                           | D                        | voter8@gmail.com                                                                                                                          | I                        | I                                                                                                                                                                                                                                                                                                                                                    |                          | REGISTERED               | <input style="width: 100px; height: 25px; border: 1px solid #ccc; border-radius: 5px;" type="button" value="Send Mail"/> |
| Enroll9                                                                                                                                                                                                                                                                                           | E                        | voter9@gmail.com                                                                                                                          | I                        | I                                                                                                                                                                                                                                                                                                                                                    |                          | REGISTERED               | <input style="width: 100px; height: 25px; border: 1px solid #ccc; border-radius: 5px;" type="button" value="Send Mail"/> |
| voter100                                                                                                                                                                                                                                                                                          | AllaRakha                | voter100@gmail.com                                                                                                                        | mca                      | 2012                                                                                                                                                                                                                                                                                                                                                 |                          | REGISTERED               | <input style="width: 100px; height: 25px; border: 1px solid #ccc; border-radius: 5px;" type="button" value="Send Mail"/> |
| voter101                                                                                                                                                                                                                                                                                          | tsatc                    | voter101@gmail.com                                                                                                                        | def                      | dd                                                                                                                                                                                                                                                                                                                                                   |                          | REGISTERED               | <input style="width: 100px; height: 25px; border: 1px solid #ccc; border-radius: 5px;" type="button" value="Send Mail"/> |
| voter21                                                                                                                                                                                                                                                                                           | voter21a                 | voter21@gmail.com                                                                                                                         | BSC                      | 2011                                                                                                                                                                                                                                                                                                                                                 |                          | REGISTERED               | <input style="width: 100px; height: 25px; border: 1px solid #ccc; border-radius: 5px;" type="button" value="Send Mail"/> |
| voter22                                                                                                                                                                                                                                                                                           | Yug1                     | voter22@gmail.com                                                                                                                         | BSC                      | 2011                                                                                                                                                                                                                                                                                                                                                 |                          | REGISTERED               | <input style="width: 100px; height: 25px; border: 1px solid #ccc; border-radius: 5px;" type="button" value="Send Mail"/> |

Fig 4.38 Manage Voter → Set Login Password & One Time Key Part 2

## 4.21 Manage Voter → Set Voter Alternate Email

Election officer/manager can set Voter Alternate mail if in case he/she lost his primary mail id , this is so important because Security key and password for voting is send via mail only.

Login Details : Institute Name : St.Xavier College/Election Officer Module | Change Password | View Profile | Hello [Iqbal Ahmad] | Sign Out

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| Home                                                                              | Manage Election                    | Manage Voter       | Manage Candidate Request            | Manage Candidate         | Set Mail Body                        | Reset Password | Result Computing                   |
|-----------------------------------------------------------------------------------|------------------------------------|--------------------|-------------------------------------|--------------------------|--------------------------------------|----------------|------------------------------------|
| Add                                                                               |                                    |                    |                                     |                          | Set Voter Alternate Email            |                |                                    |
| Enter Starting Keyword(s) <input type="text"/>                                    | View                               |                    |                                     |                          | Alternate Email <input type="text"/> | In field       | Enrollment No <input type="text"/> |
| Sort By                                                                           |                                    |                    |                                     |                          |                                      |                |                                    |
| Field                                                                             | Enrollment No <input type="text"/> | Action             | Current Page <input type="button"/> | Set Voter Alternate Mail |                                      |                |                                    |
|                                                                                   | Enrollment No <input type="text"/> | Email              | Course                              | Year                     | Working Status                       | Action         |                                    |
| Enroll11                                                                          | voter11@gmail.com                  | I                  | I                                   | 1987                     | REGISTERED                           | Send Mail      |                                    |
| Enroll12                                                                          | voter12@gmail.com                  | I                  | I                                   |                          | REGISTERED                           | Send Mail      |                                    |
| Enroll13                                                                          | voter13@gmail.com                  | MCA                |                                     |                          | REGISTERED                           | Send Mail      |                                    |
| Enroll14                                                                          | voter14@gmail.com                  |                    |                                     |                          | REGISTERED                           | Send Mail      |                                    |
| Enroll15                                                                          | voter15@gmail.com                  |                    |                                     |                          | REGISTERED                           | Send Mail      |                                    |
| Enroll16                                                                          | voter16@gmail.com                  |                    |                                     |                          | REGISTERED                           | Send Mail      |                                    |
| Enroll17                                                                          | voter17@gmail.com                  |                    |                                     |                          | REGISTERED                           | Send Mail      |                                    |
| Enroll18                                                                          | voter18@gmail.com                  |                    |                                     |                          | REGISTERED                           | Send Mail      |                                    |
| Enroll19                                                                          | voter19@gmail.com                  |                    |                                     |                          | REGISTERED                           | Send Mail      |                                    |
| voter100                                                                          | AllaRakha                          | mca                |                                     | 2012                     | REGISTERED                           | Send Mail      |                                    |
| voter101                                                                          | ftisafc                            | voter101@gmail.com | dse                                 | dd                       | REGISTERED                           | Send Mail      |                                    |
| voter21                                                                           | voter21a                           | voter21@gmail.com  | BSC                                 | 2011                     | REGISTERED                           | Send Mail      |                                    |
| voter22                                                                           | yug1                               | voter22@gmail.com  | BSC                                 | 2011                     | REGISTERED                           | Send Mail      |                                    |
| <a href="#">next</a> <a href="#">previous</a> Total Number of Voters Per Page: 19 |                                    |                    |                                     |                          |                                      |                |                                    |

Fig 4.39 Manage Voter → Set Voter Alternate Email Part 1

Election manager can individually set the alternate mail id for particular voter for that type the mail id which a election manager want to set and click on set voter Alternate mail button .

**ElectionMS**  
A Multi Institutional & MultiLingual Approach of Election Management

| Home                                                                                | Manage Election                                        | Manage Voter      | Manage Candidate Request            | Manage Candidate         | Set Mail Body | Reset Password | Result Computing |
|-------------------------------------------------------------------------------------|--------------------------------------------------------|-------------------|-------------------------------------|--------------------------|---------------|----------------|------------------|
| Set Voter Alternate Email                                                           |                                                        |                   |                                     |                          |               |                |                  |
| Enter Starting Keyword(s) <input type="text"/> <input type="button" value="Clear"/> | Alternate Email <input type="text"/> voter11@gmail.com | In field          | Enrollment No <input type="text"/>  |                          |               |                |                  |
| Sort By                                                                             |                                                        |                   |                                     |                          |               |                |                  |
| Field                                                                               | Enrollment No <input type="text"/>                     | Action            | Current Page <input type="button"/> | Set Voter Alternate Mail |               |                |                  |
|                                                                                     | Enrollment No <input type="text"/>                     | Voter Name        | Email                               | Course                   | Year          | Working Status | Action           |
| Enroll11                                                                            | G                                                      | voter11@gmail.com | I                                   |                          |               | REGISTERED     | Send Mail        |
| <a href="#">next</a> <a href="#">previous</a> Total Number of Voters Per Page: 1    |                                                        |                   |                                     |                          |               |                |                  |

voter11@gmail.com has been set alternate Email is = voter11@gmail.com

Fig 4.40 Manage Voter → Set Voter Alternate Email Part 2

#### 4.22 Manage Voter → Set Voter List & Send Link

Elections Officer/ Election manger can send the cast vote link directly to voters mail id along with encrypted security one time key for voting process , who have not cast there vote till yet so that voter can directly open the link to cat vote.

Login Details : Institute Name : St.Xavier College/Election Officer Module

Change Password | View Profile | Hello [Iqbal Ahmad] | Sign Out



**ElectionMS**

A Multi Institutional & MultiLingual Approach of Election Management

| Home                      | Manage Election                      | Manage Voter                    | Manage Candidate Request                   | Manage Candidate | Set Mail Body                                                                                                 | Reset Password | Result Computing                                                   |
|---------------------------|--------------------------------------|---------------------------------|--------------------------------------------|------------------|---------------------------------------------------------------------------------------------------------------|----------------|--------------------------------------------------------------------|
|                           |                                      | Add                             |                                            |                  | Reset Voter Password                                                                                          |                |                                                                    |
| Enter Starting Keyword(s) |                                      | View                            |                                            |                  |                                                                                                               |                | in field <input type="text"/> Enrollment No <input type="button"/> |
| Sort By                   |                                      | Block Voter Fm Election         |                                            |                  |                                                                                                               |                |                                                                    |
| Field                     | Enrollment No <input type="button"/> | Block From Login                | Union Election 2013 <input type="button"/> | Action           | Current Page ( Reset Password & Send one Time Key for Voter not Cast there vote yet. ) <input type="button"/> |                | Submit <input type="button"/>                                      |
|                           | Enrollment No                        | Update Voter Details            | Email                                      | Course           | Year                                                                                                          | Working Status | Action                                                             |
|                           | Enroll11                             | Set Voter List                  | voter11@gmail.com                          |                  |                                                                                                               | REGISTERED     | <input type="button"/> Send Mail                                   |
|                           | Enroll12                             |                                 | voter12@gmail.com                          |                  |                                                                                                               | REGISTERED     | <input type="button"/> Send Mail                                   |
|                           | Enroll2                              | Set Login Pass & Key            | voter1@gmail.com                           | MCA              | 1987                                                                                                          | REGISTERED     | <input type="button"/> Send Mail                                   |
|                           | Enroll20                             |                                 | kedar_muz@rediffmail.com                   |                  |                                                                                                               | REGISTERED     | <input type="button"/> Send Mail                                   |
|                           | Enroll22                             | Set Voter Alternate Mail        | enroll22@gmail.com                         |                  |                                                                                                               | REGISTERED     | <input type="button"/> Send Mail                                   |
|                           | Enroll23                             |                                 |                                            |                  |                                                                                                               | REGISTERED     | <input type="button"/> Send Mail                                   |
|                           | Enroll24                             | Set Voter & Send Link           | voter3@gmail.com                           |                  |                                                                                                               | REGISTERED     | <input type="button"/> Send Mail                                   |
|                           | Enroll3                              |                                 | enroll3@gmail.com                          | BSC              | 2011                                                                                                          | REGISTERED     | <input type="button"/> Send Mail                                   |
|                           | Enroll30                             | hisbb                           | enroll30@gmail.com                         |                  |                                                                                                               | REGISTERED     | <input type="button"/> Send Mail                                   |
|                           | Enroll32                             | Yug1                            | enroll32@gmail.com                         | BSC              | 2011                                                                                                          | REGISTERED     | <input type="button"/> Send Mail                                   |
|                           | Enroll5                              | A                               | voter5@gmail.com                           | BTech            | 2011                                                                                                          | REGISTERED     | <input type="button"/> Send Mail                                   |
|                           | Enroll6                              | B                               | voter6@gmail.com                           |                  |                                                                                                               | REGISTERED     | <input type="button"/> Send Mail                                   |
|                           | Enroll7                              | C                               | voter7@gmail.com                           |                  |                                                                                                               | REGISTERED     | <input type="button"/> Send Mail                                   |
|                           | Enroll8                              | D                               | voter8@gmail.com                           |                  |                                                                                                               | REGISTERED     | <input type="button"/> Send Mail                                   |
|                           | Enroll9                              | E                               | voter9@gmail.com                           |                  |                                                                                                               | REGISTERED     | <input type="button"/> Send Mail                                   |
|                           | voter100                             | AllaRakha                       | voter100@gmail.com                         | mca              | 2012                                                                                                          | REGISTERED     | <input type="button"/> Send Mail                                   |
|                           | voter101                             | Idsafc                          | voter101@gmail.com                         | dsf              | dd                                                                                                            | REGISTERED     | <input type="button"/> Send Mail                                   |
|                           | voter21                              | voter21a                        | voter21@gmail.com                          | BSC              | 2011                                                                                                          | REGISTERED     | <input type="button"/> Send Mail                                   |
|                           | voter22                              | Yug1                            | voter22@gmail.com                          | BSC              | 2011                                                                                                          | REGISTERED     | <input type="button"/> Send Mail                                   |
|                           | <input type="button"/> next          | <input type="button"/> previous | Total Number of Voters Per Page: 19        |                  |                                                                                                               |                |                                                                    |

Fig 4.41 Manage Voter → Set Voter List & Send Link Part 1

Election manager can individually set password and link for particular voter .

Login Details : Institute Name : St.Xavier College/Election Officer Module

Change Password | View Profile | Hello [Iqubal Ahmad] | Sign Out

# ElectionMS

A Multi Institutional & MultiLingual Approach of Election Management.



[Home](#) [Manage Election](#) [Manage Voter](#) [Manage Candidate Request](#) [Manage Candidate](#) [Set Mail Body](#) [Reset Password](#) [Result Computing](#)

[Reset Voter Password](#)

Enter Starting Keyword(s)  [Clear](#) in field  [C](#)

Sort By [Field](#) [Enrollment No](#) [C](#)

Select Election [Student Union Election 2013](#) [C](#) Action [Current Page \( Reset Password & Send one Time Key for Voter not Cast there vote yet. \)](#) [C](#) [Submit](#) [C](#)

| Enrollment No | Voter Name | Email             | Course | Year | Working Status | Action                    |
|---------------|------------|-------------------|--------|------|----------------|---------------------------|
| Enroll11      | G          | voter11@gmail.com |        |      | REGISTERED     | <a href="#">Send Mail</a> |

[next](#) [previous](#) Total Number of Voters Per Page: 1

Reset Password & One time key link has been send successfully to= voter11@gmail.com Reset Password & One time key link has been send successfully to Alternate Mail voter11@gmail.com

Fig 4.42 Manage Voter → Set Voter List & Send Link Part 2

As election manager click on above submit button ,a mail containing information about direct link of voter is sent in voter mail id

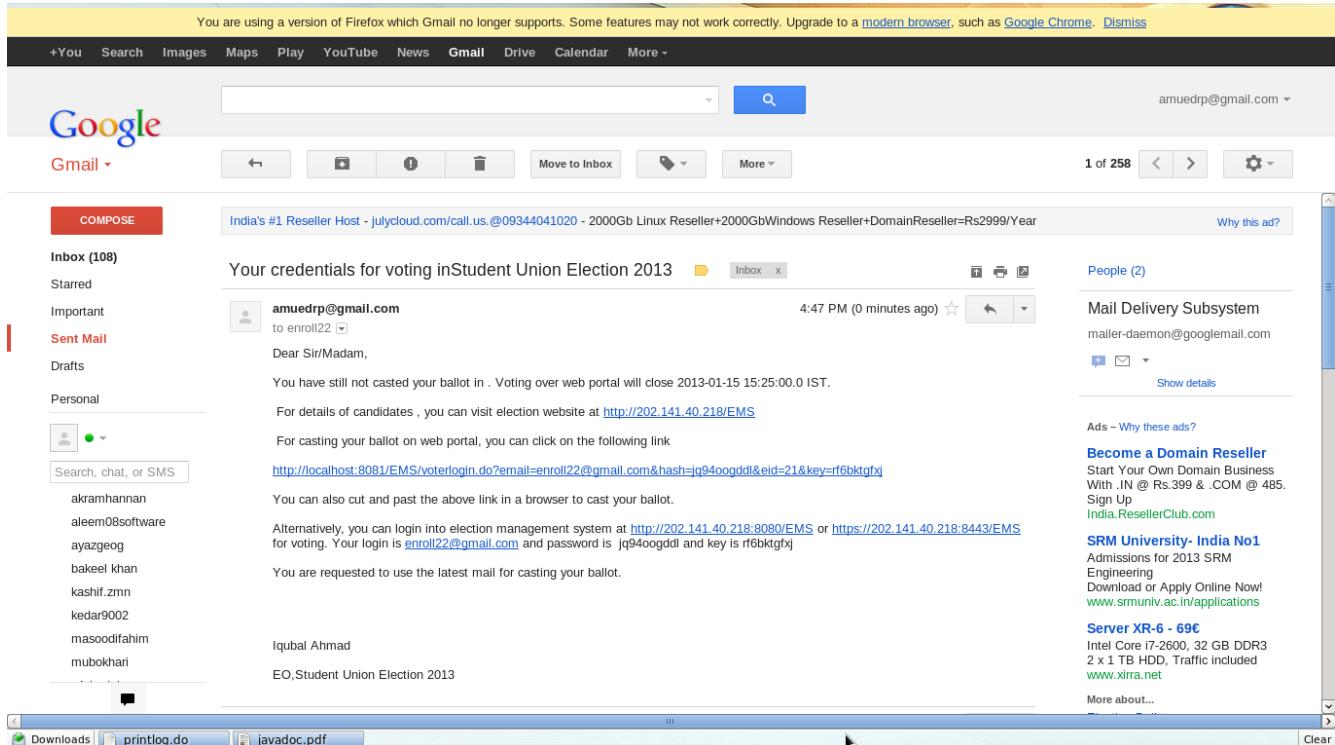


Fig 4.43 Manage Voter → Set Voter List &amp; Send Link Part 3

### 4.23 Manage Candidate Request-> Accept/Reject

Election manager can manage the requests of candidates for candidature. If Election manager finds all supporting documents of candidates are valid.

Fig 4.44 Manage Candidate Request → Accept/Reject part 1

| Candidate Approval Page |               |                |            |        |      |                |           |
|-------------------------|---------------|----------------|------------|--------|------|----------------|-----------|
| Election_id             | Enrollment_No | Candidate_Name | Department | Course | Year | Working_Status | Action    |
| 21                      | Enroll5       | A              | DCS        | BTech  | 2011 | not registered | Send Mail |
| 21                      | voter100      | AllaRakha      | CS         | mca    | 2012 | not registered | Send Mail |
| 21                      | voter100      | AllaRakha      | CS         | mca    | 2012 | not registered | Send Mail |
| 21                      | Enroll6       | B              | IT         | IT     | 2012 | not registered | Send Mail |
| 21                      | Enroll6       | B              | IT         | IT     | 2012 | not registered | Send Mail |
| 21                      | Enroll10      | E              | IT         | IT     | 2012 | not registered | Send Mail |
| 21                      | voter101      | tdsafc         | sadfsa     | dsf    | dd   | not registered | Send Mail |
| 21                      | voter101      | tdsafc         | sadfsa     | dsf    | dd   | not registered | Send Mail |
| 15                      | Enroll11      | G              | IT         | IT     | 2012 | not registered | Send Mail |

Next 1 2

If candidate fulfill the required criteria, election manager accept the request and a confirmation message will be mailed to candidate's email id .

The screenshot shows a form for managing candidate requests. At the top, there are fields for permanent and corresponding addresses, with a checkbox for marking them as the same. Below this is a section for 'Candidature Eligibility Criteria' with dropdowns for age, gender, educational qualification, and other details. The 'Candidature Request for:' section includes dropdowns for election and position. A large text area is provided for the reason of rejection. At the bottom, there are buttons for 'Reject', 'Accept', 'Back', and 'Cancel'. A note at the bottom left says '\*indicated fields are mandatory'.

Fig 4.45 Manage Candidate Request → Accept/Reject part 2

#### 4.24 Manage Candidate → View

This facility provides the way manage the information of candidates such as information of accepted, rejected and blocked candidates. Election manager can update the information of candidates and generate the different reports.

The screenshot shows a 'Candidate Approval Page' with a table of candidates. The columns include: Election\_Id, Enrollment\_No, Candidate\_Name, Department, Course, Year, Working\_Status, and Action. The 'Working\_Status' column shows values like 'REGISTERED', 'REJECTED', and 'BLOCKED'. The 'Action' column contains links for 'Send Mail'. Navigation buttons 'Next' and '1 2 3 4' are at the bottom. The URL at the bottom left is [http://localhost:8086/EMS/election\\_manager/search\\_candidate.jsp?status=A](http://localhost:8086/EMS/election_manager/search_candidate.jsp?status=A).

Fig 4.46 Manage Candidate

#### 4.25 Manage Candidate → Import Candidate Data

Election officer/manager can import directly the candidates data from Excel sheet ,if the number of candidates in Large quantity.

The screenshot shows the 'Import Candidates Data' section of the ElectionMS application. At the top, there's a note: 'Note: You Need to Import Candidate Details data in XLS Format.' Below this is a form with a 'Select Microsoft Excel File:' input field, a 'Browse...' button, and an 'Upload File' button. A 'Help' link is located at the bottom right of the form area.

Fig 4.47.1 Manage Candidate → Import Candidate data part 1

Above Import facility of Candidate in excel sheet can be in following format  
this link is activated on clicking on above mention help link.

This screenshot displays the 'Candidate Import XLS File Help' page. It provides instructions on creating an Excel file with specific columns and mandatory fields. It also includes a note about column order and date format conversion. Sample data rows are shown below the instructions.

| enrollment | institute_id | election_id | p_marks    | p_attendance | backlog     | criminal       | indise         | position          | status     | rejected_reason | request_date | accepted_date | proposed_by    | seconded_by    | position_accepted |
|------------|--------------|-------------|------------|--------------|-------------|----------------|----------------|-------------------|------------|-----------------|--------------|---------------|----------------|----------------|-------------------|
| 13         | ACES         | 6           | 60         | 75           | yes/no      | yes/no         | yes/no         | Chairman          | REGISTERED |                 | 10-Feb-2012  | 10-Feb-2012   | alok@gmail.com | anil@gmail.com | Yes/No            |
|            |              |             |            |              |             |                |                |                   |            |                 |              |               |                |                |                   |
| enrollment | election_id  | position    | status     | request_date | accept_date | proposed_by    | seconded_by    | position_accepted |            |                 |              |               |                |                |                   |
| 13         | 6            | Chairman    | REGISTERED | 10-Feb-2012  | 10-Feb-2012 | alok@gmail.com | anil@gmail.com | Yes/No            |            |                 |              |               |                |                |                   |

\*Note:  
Please Donot Change Order of Columns  
Please Donot Change Name of Column  
In Case of date Field Please change the format of cell to text type from format->cell->Number(Tab) Select Category(Text) for fields like request\_date, accepted\_date

Fig 4.472 Manage Candidate → Import Candidate data part 2

## 4.26 Set Mail Body

Election manger can set The Specific Content of mail body ie a common mail Message that mail can be of regarding Reset password, regarding reset login etc

The screenshot shows the 'ElectionMS' application interface. At the top, there is a navigation bar with links: Home, Manage Election, Manage Voter, Manage Candidate Request, Manage Candidate, Set Mail Body (which is highlighted in blue), Reset Password, and Result Computing. On the right side of the header, there is a logo for 'NMEICT ERP MISSION' featuring the Indian national emblem and the text 'NMEICT' and 'ERP MISSION'. Below the header, there is a sub-navigation bar with links: 'A Multi Institutional & MultiLingual Approach of Election Management', 'Home', 'Manage Election', 'Manage Voter', 'Manage Candidate Request', 'Manage Candidate', 'Set Mail Body' (highlighted in blue), 'Reset Password', and 'Result Computing'. The main content area is titled 'Election manager Mail body'. It contains two sections: 'Voter Mail Body Section' and 'Candidate Mail Body Section'. Under 'Voter Mail Body Section', there are five options: 'Simple mail body', 'One time key mail body', 'Reset Password with one time key mail body', 'Reset Password with one time key with direct link mail body', and 'Changed Password Mail body'. Each option has a corresponding text input field. Under 'Candidate Mail Body Section', there is a single text input field. At the bottom left of the page, there is a URL: 'http://localhost:8086/EMS/election\_manager/SetMailBody1.jsp'.

Fig 4.48 Set Mail Body

#### 4.27 Reset Login Password

Election Manager has authority to reset or change password of any voter or candidate in case if voter or candidate loses his/her password.

The screenshot shows the 'ElectionMS' application interface. At the top, there is a navigation bar with links: Home, Manage Election, Manage Voter, Manage Candidate Request, Manage Candidate, Set Mail Body, Reset Password (which is highlighted in blue), and Result Computing. On the right side of the header, there is a logo for 'NMEICT ERP MISSION' featuring the Indian national emblem and the text 'NMEICT' and 'ERP MISSION'. Below the header, there is a sub-navigation bar with links: 'A Multi Institutional & MultiLingual Approach of Election Management', 'Home', 'Manage Election', 'Manage Voter', 'Manage Candidate Request', 'Manage Candidate', 'Set Mail Body', 'Reset Password' (highlighted in blue), and 'Result Computing'. The main content area is titled 'Reset Password'. It contains three input fields: 'User Id' (with value 'iqbal@gmail.com'), 'Password' (with value '\*\*\*\*\*'), and a 'Reset Password' button. At the bottom left of the page, there is a URL: 'http://localhost:8086/EMS/reset\_password.jsp'.

Fig 4.49 Reset Login Password

#### 4.28 Result Computing → Postal Vote Counting

Postal voting is one of the part of offline voting system,if a voter unable to cast there vote because of any reason ,then he /she may send his vote in any format to election manager and then finally these votes are added to main voting process.

Login Details : Institute Name : St.Xavier College/Election Officer Module | Change Password | View Profile | Hello [Iqubal Ahmad] | Sign Out

**ElectionMS**  
A Multi Institutional & MultiLingual Approach of Election Management

Home Manage Election Manage Voter Manage Candidate Request Manage Candidate Set Mail Body Reset Password Result Computing

Select an Election: Department Election | Add Postal Vote | View Po | Postal Vote Counting | AGM Vote Counting

[http://localhost:8086/EMS/election\\_manager/electionclosed.jsp](http://localhost:8086/EMS/election_manager/electionclosed.jsp)

Fig 4.50 Result Computing-> Postal Vote Counting part 1  
postal vote is finally added in this ballot ,which is further calculated.

Login Details : Institute Name : St.Xavier College/Election Officer Module | Change Password | View Profile | Hello [Iqubal Ahmad] | Sign Out

**ElectionMS**  
A Multi Institutional & MultiLingual Approach of Election Management

Home Manage Election Manage Voter Manage Candidate Request Manage Candidate Set Mail Body Reset Password Result Computing

Postal Vote Counting | AGM Vote Counting

Preferencial voting Election 2012

| Position: Position1 | Candidate ID/EnrollmentNo | Candidate Name | offline Vote |
|---------------------|---------------------------|----------------|--------------|
| Enroll30            | hissb                     |                |              |
| Enroll5             | A                         |                |              |
| Enroll6             | B                         |                |              |
| Enroll8             | D                         |                |              |

| Position: position2 | Candidate ID/EnrollmentNo | Candidate Name | offline Vote |
|---------------------|---------------------------|----------------|--------------|
| Enroll30            | hissb                     |                |              |
| Enroll32            | Yug1                      |                |              |
| Enroll7             | C                         |                |              |
| Enroll8             | D                         |                |              |

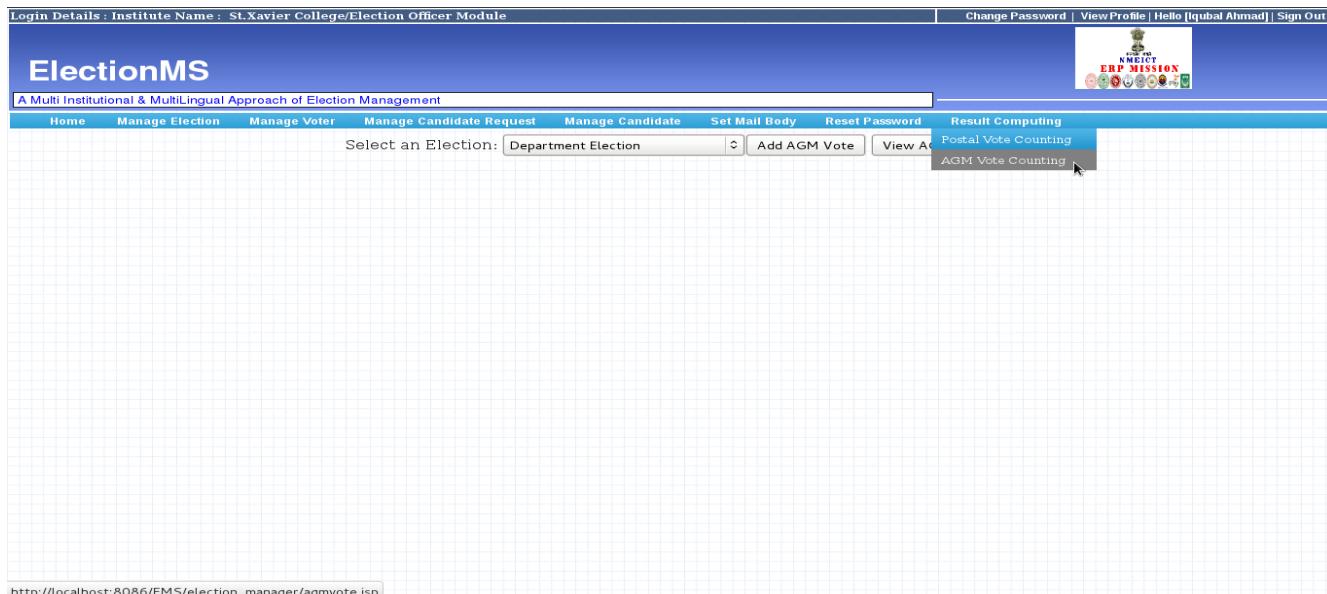
| Position: Position3 | Candidate ID/EnrollmentNo | Candidate Name | offline Vote |
|---------------------|---------------------------|----------------|--------------|
| Enroll32            | Yug1                      |                |              |
| Enroll5             | A                         |                |              |
| Enroll6             | B                         |                |              |

[http://localhost:8086/EMS/election\\_manager/electionclosed.jsp](http://localhost:8086/EMS/election_manager/electionclosed.jsp)

Fig 4.51 Result Computing-> Postal Vote Counting part 2

#### 4.29 Result Computing → AGM Vote Counting

AGM stands for Annual general meeting , this is also a part of offline vote ,which occur under the supervision of Election manager ,in which a meeting is organized and hands are raised , in favour of supporting candidates , then finally these votes are counted and added in main votes.



[http://localhost:8086/EMS/election\\_manager/agmvote.jsp](http://localhost:8086/EMS/election_manager/agmvote.jsp)

Fig 4.52 Result Computing-> AGM Vote Counting part 1  
This is how AGM votes are added in ballot.

The screenshot shows the 'ElectionMS' application interface. At the top, there's a header bar with 'Login Details : Institute Name : St.Xavier College/Election Officer Module', 'Change Password | View Profile | Hello [Iqubal Ahmad] | Sign Out', and the NMEICT ERP MISSION logo. Below the header is a navigation menu with links: Home, Manage Election, Manage Voter, Manage Candidate Request, Manage Candidate, Set Mail Body, Reset Password, Result Computing, Postal Vote Counting, and AGM Vote Counting. The main content area displays three separate sections for 'Position1', 'Position2', and 'Position3', each containing a table for adding AGM votes. The tables have columns for 'Candidate ID/EnrollmentNo', 'Candidate Name', and 'AGM Vote'.

| Position: Position1       |                |                      |
|---------------------------|----------------|----------------------|
| Candidate ID/EnrollmentNo | Candidate Name | AGM Vote             |
| Enroll30                  | hissb          | <input type="text"/> |
| Enroll5                   | A              | <input type="text"/> |
| Enroll6                   | B              | <input type="text"/> |
| Enroll8                   | D              | <input type="text"/> |

| Position: position2       |                |                      |
|---------------------------|----------------|----------------------|
| Candidate ID/EnrollmentNo | Candidate Name | AGM Vote             |
| Enroll30                  | hissb          | <input type="text"/> |
| Enroll32                  | Yug1           | <input type="text"/> |
| Enroll7                   | C              | <input type="text"/> |
| Enroll8                   | D              | <input type="text"/> |

| Position: Position3       |                |                      |
|---------------------------|----------------|----------------------|
| Candidate ID/EnrollmentNo | Candidate Name | AGM Vote             |
| Enroll32                  | Yug1           | <input type="text"/> |
| Enroll5                   | A              | <input type="text"/> |
| Enroll6                   | B              | <input type="text"/> |

Fig 4.53 Result Computing-> AGM Vote Counting part 2

## Chapter 5: Voter/Candidate Module

### Index

- 5.1 How to be a voter?*
- 5.2 Voter Home Interface*
- 5.3 View Election Details*
- 5.4 View Election Result*
- 5.5 Preview Ballot*
- 5.6 Cast Vote*
- 5.7 Chat*
- 5.8 Candidate Interface*
- 5.9 Candidate Interface-> Current Election Link*
- 5.10 Candidate Interface-> Election Result*
- 5.11 Candidate Interface-> Current Nomination List*
- 5.12 Candidate Interface-> Upload Manifesto*
- 5.13 Candidate Interface-> Candidate Chat*

### 5.1 How to be a voter?

Voters can register themselves online and cast their votes. Voters can also register

themselves as a candidate and will be able to manage their account in a restricted manner.

Voters can interact with candidates online using services like Blog, Chat, bulletin boards, etc.

To register, voter should send registration request to the Election Manager by simply clicking on “Voter Registration” on Login page.



Fig 5.1 EMSHome page

Voter now has to give his/her unique enrollment number and select his/her institute to register himself.

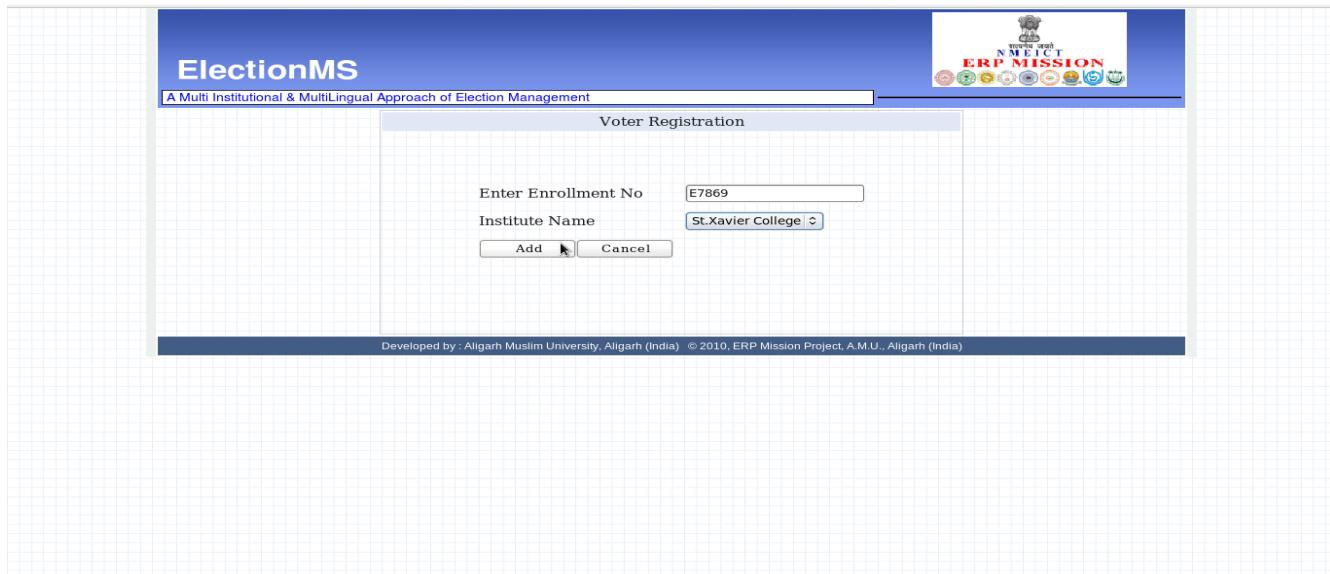


Fig 5.2 Send Voter Registration Request part 1

After clicking on add button a voter has to fill a voter registration page ,which he/she has to give his information ,after approval from election manager a confirmation mail containg user-id and password is send in his mail.

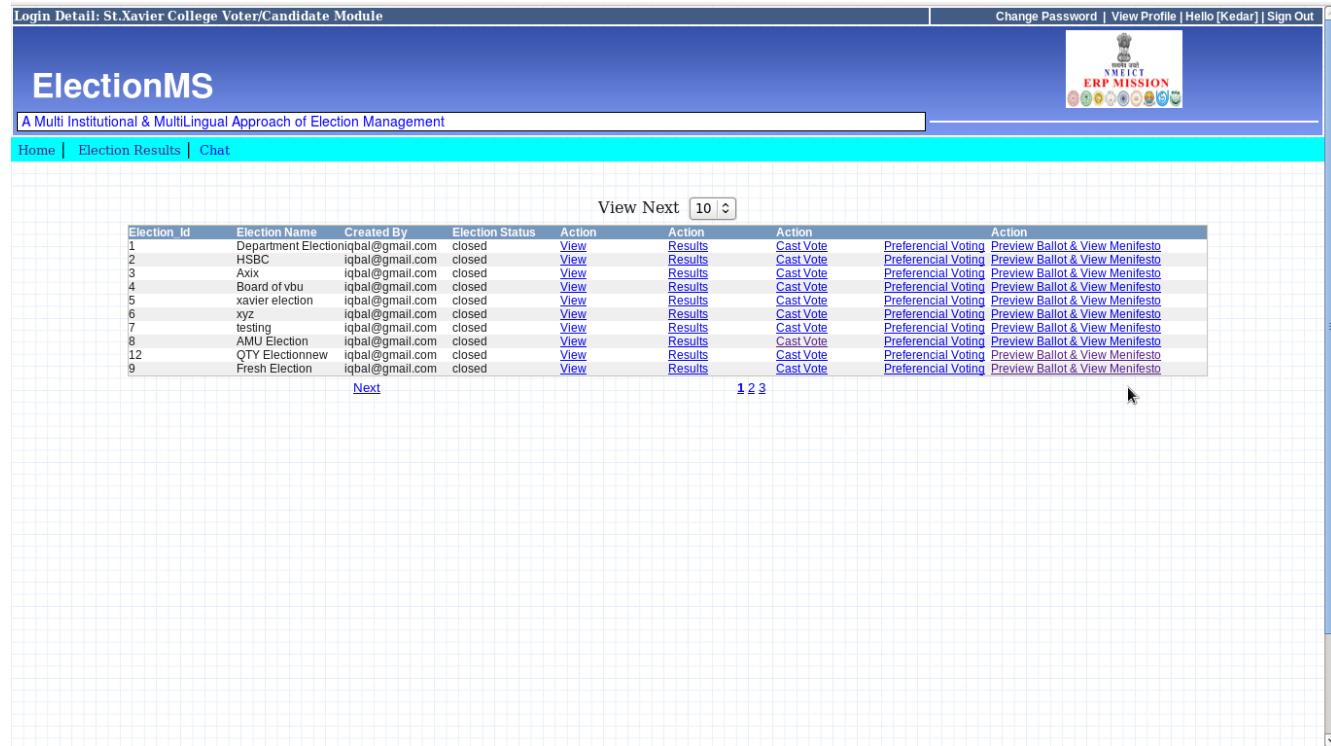
Fig 5.3 Send Voter Registration Request part 2

After submission of voter's detail, request will be send to Election Manager.Election Manager whenever login into system, he will find that there is request for voter registration. Manager examines detail given in registration form. If detail fulfill criteria, election manager accept

request and a Id and password will be send to voter's email id.

## 5.2 Voter Home Interface

Voter can login into system using user id and password provided by the Election Manager. After successful login user will be on voter home screen.



The screenshot shows the 'ElectionMS' voter home interface. At the top, there is a header bar with 'Login Detail: St.Xavier College Voter/Candidate Module', 'Change Password', 'View Profile', 'Hello [Kedar]', and 'Sign Out'. Below the header is the 'ElectionMS' logo and a sub-header 'A Multi Institutional & MultiLingual Approach of Election Management'. A navigation bar at the bottom left includes 'Home', 'Election Results', and 'Chat'. The main content area displays a grid of election details with the following columns: Election\_Id, Election\_Name, Created\_By, Election\_Status, Action, Action, Action, and Action. The grid contains 12 rows of data. At the bottom of the grid, there are links for 'Next', '1 2 3', and a cursor icon.

| Election_Id | Election_Name       | Created_By      | Election_Status | Action               | Action                  | Action                    | Action                              |
|-------------|---------------------|-----------------|-----------------|----------------------|-------------------------|---------------------------|-------------------------------------|
| 1           | Department Election | iqbal@gmail.com | closed          | <a href="#">View</a> | <a href="#">Results</a> | <a href="#">Cast Vote</a> | <a href="#">Preferencial Voting</a> |
| 2           | HSBC                | iqbal@gmail.com | closed          | <a href="#">View</a> | <a href="#">Results</a> | <a href="#">Cast Vote</a> | <a href="#">Preferencial Voting</a> |
| 3           | Axix                | iqbal@gmail.com | closed          | <a href="#">View</a> | <a href="#">Results</a> | <a href="#">Cast Vote</a> | <a href="#">Preferencial Voting</a> |
| 4           | Board of vbu        | iqbal@gmail.com | closed          | <a href="#">View</a> | <a href="#">Results</a> | <a href="#">Cast Vote</a> | <a href="#">Preferencial Voting</a> |
| 5           | xavier election     | iqbal@gmail.com | closed          | <a href="#">View</a> | <a href="#">Results</a> | <a href="#">Cast Vote</a> | <a href="#">Preferencial Voting</a> |
| 6           | xyz                 | iqbal@gmail.com | closed          | <a href="#">View</a> | <a href="#">Results</a> | <a href="#">Cast Vote</a> | <a href="#">Preferencial Voting</a> |
| 7           | testing             | iqbal@gmail.com | closed          | <a href="#">View</a> | <a href="#">Results</a> | <a href="#">Cast Vote</a> | <a href="#">Preferencial Voting</a> |
| 8           | AMU Election        | iqbal@gmail.com | closed          | <a href="#">View</a> | <a href="#">Results</a> | <a href="#">Cast Vote</a> | <a href="#">Preferencial Voting</a> |
| 12          | QTY Electionnew     | iqbal@gmail.com | closed          | <a href="#">View</a> | <a href="#">Results</a> | <a href="#">Cast Vote</a> | <a href="#">Preferencial Voting</a> |
| 9           | Fresh Election      | iqbal@gmail.com | closed          | <a href="#">View</a> | <a href="#">Results</a> | <a href="#">Cast Vote</a> | <a href="#">Preferencial Voting</a> |

Fig 5.4 Voter Home Interface

## 5.3 View Election Details

From view link in grid voter can see election related information of any elections in his/her institute.

# ElectionMS

A Multi Institutional & MultiLingual Approach of Election Management



Home | Election Results | Chat

---

### Election Details

|                                                               |    |               |                             |
|---------------------------------------------------------------|----|---------------|-----------------------------|
| Electon_Id                                                    | 21 | Election_Name | Student Union Election 2013 |
| Name your election: (ex. "Board of Directors Election 2009")* |    |               |                             |

---

### Details

|                                                                                                                         |                                                                                                    |
|-------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|
| Student Union Election 2013                                                                                             |                                                                                                    |
| <b>Nomination start date and time:</b><br>(Nominations opens and announcement are emailed)*                             | <b>Nomination end date and time:</b><br>(Nominations closed)*                                      |
| 2013-01-01 15:25:00.0 <input type="button" value="Edit"/>                                                               | 2013-01-05 18:25:00.0 <input type="button" value="Edit"/>                                          |
| <b>Scrutiny start date and time:</b>                                                                                    | <b>Scrutiny end date and time:</b>                                                                 |
| 2013-01-06 19:25:00.0 <input type="button" value="Edit"/>                                                               | 2013-01-07 15:25:00.0 <input type="button" value="Edit"/>                                          |
| <b>Nomination Withdrawl start date and time</b>                                                                         | <b>Nomination Withdrawl end date and time:</b>                                                     |
| 2013-01-08 15:25:00.0 <input type="button" value="Edit"/>                                                               | 2013-01-09 15:25:00.0 <input type="button" value="Edit"/>                                          |
| <b>Election start date and time:</b><br>(voting opens and announcement are emailed)*                                    | <b>Election end date and time:</b><br>(voters can no longer cast ballots and results are emailed)* |
| 2013-01-10 15:25:00.0 <input type="button" value="Edit"/>                                                               | 2013-01-11 15:25:00.0 <input type="button" value="Edit"/>                                          |
| <b>Result can be declared by Election Officer after this date and time:</b><br>(After voting result will be displayed)* |                                                                                                    |
| 2013-01-12 15:25:00.0 <input type="button" value="Edit"/>                                                               |                                                                                                    |

---

### Positions

|                 |           |                    |   |
|-----------------|-----------|--------------------|---|
| Position Name * | President | Number of choice * | 3 |
|-----------------|-----------|--------------------|---|

You can choose 3 Candidate for this Position.

Fig 5.5 Election Details Interface

## 5.4 View Election Result

From the [Election Result](#) link voter can see the result of any closed election in his/her institute, for that he has to select an election name which he want to see the result of closed elections.

The screenshot shows a software application window titled "ElectionMS" with the subtitle "A Multi-Institutional & Multi-Lingual Approach of Election Management". The main content area displays a table of election results. A modal dialog box is overlaid on the screen, containing a dropdown menu labeled "Select an Election" with the option "Department Election" selected, and a button labeled "Election Result".

| Election Type       | Organization               | Start Date | End Date   | Status | Result |
|---------------------|----------------------------|------------|------------|--------|--------|
| Department Election | Departmental Election      | 2023-09-01 | 2023-09-15 | Closed | Passed |
| HSBC                | HSBC Election              | 2023-09-01 | 2023-09-15 | Closed | Passed |
| AES                 | AES Election               | 2023-09-01 | 2023-09-15 | Closed | Passed |
| Board of Staff      | Board of Staff Election    | 2023-09-01 | 2023-09-15 | Closed | Passed |
| Student Selection   | Student Selection Election | 2023-09-01 | 2023-09-15 | Closed | Passed |
| QTY                 | QTY Election               | 2023-09-01 | 2023-09-15 | Closed | Passed |
| Testing             | Testing Election           | 2023-09-01 | 2023-09-15 | Closed | Passed |
| AMU Election        | AMU Election               | 2023-09-01 | 2023-09-15 | Closed | Passed |
| QTY Examination     | QTY Examination            | 2023-09-01 | 2023-09-15 | Closed | Passed |
| Final Exams         | Final Exams                | 2023-09-01 | 2023-09-15 | Closed | Passed |

View Next [ 10 / 2 ]

Select an Election: Department Election

Election Result

Fig 5.6 Election Result Interface Part 1

After clicking on election result link he/she can see the result ballot of closed election only.

Fig 5.7 Election Result Interface part 2

The screenshot shows a window titled "For Download Result in PDF Format Click here" containing three separate tables for election results:

- Position: IqbalPos1**: No of Choice: 6. The table lists candidates A through E with 3 votes each.
- Position: kedarpes2**: No of Choice: 5. The table lists candidates B through E with 3 votes each.
- Position: AqeelPos3**: No of Choice: 3. The table lists candidates C and D with 3 votes each.

The screenshot shows a Mozilla Firefox browser window with the URL <http://localhost:2094/EIS/login.jsp>. The page displays the following election results for the President position:

| Position  | Candidate Name | No of Choice | Number of Votes | Status  |
|-----------|----------------|--------------|-----------------|---------|
| President | Azam           | 1            | 1               | Elected |
|           | new            |              | 0               |         |
|           | meeras         |              | 0               |         |
|           | lml            |              | 0               |         |
|           | Azam           |              | 0               |         |
|           | jhon           |              | 0               |         |
|           | fiaz           |              | 0               |         |

## 5.5 Preview Ballot

Voter can preview ballot before casting the vote, preview ballot link shows information about candidates and their respective positions.

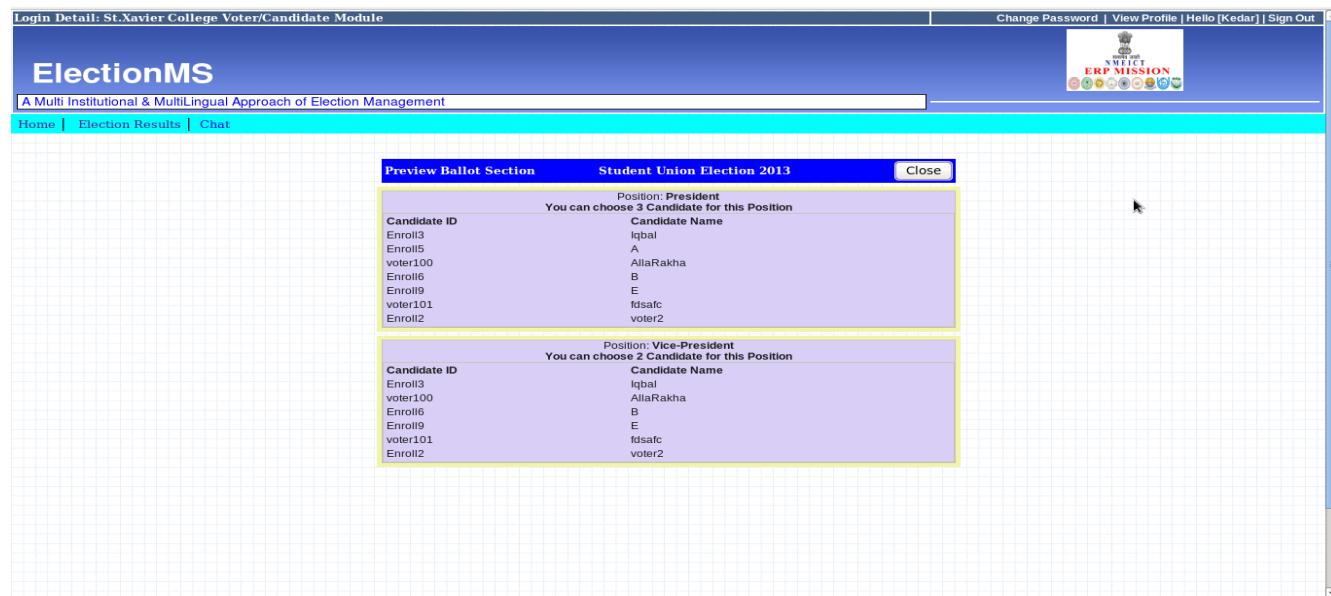


Fig 5.8 Preview Election Ballot

## 5.6 Cast Vote

Voter can cast his vote, only when the election are in Started state.

When he/she clicks on Cast vote form grid link ,

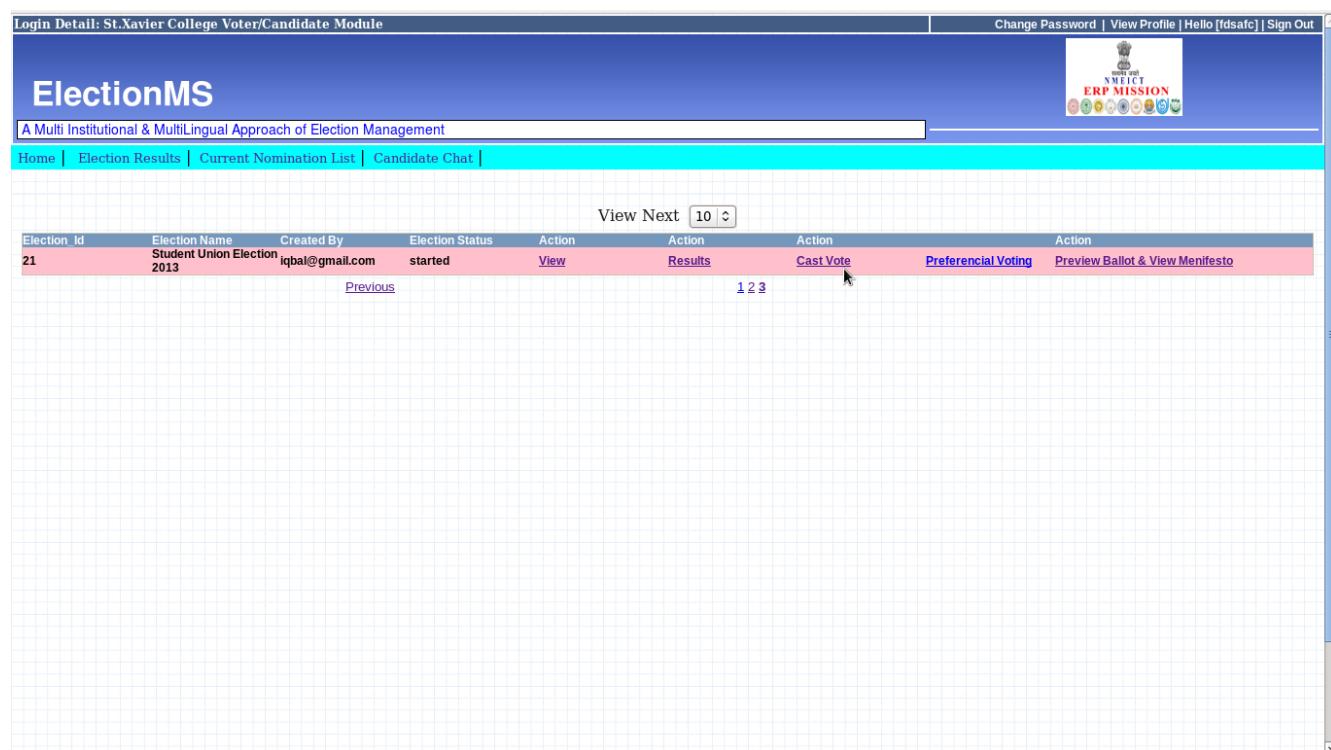


Fig 5.9 Cast Vote

After clicking on cast vote link form grid,a window prompt for One time key,this one time key is set by the election officer/manager which is in encrypted form. the election officer/manager ,himself is unaware about this one time key because of security concern.

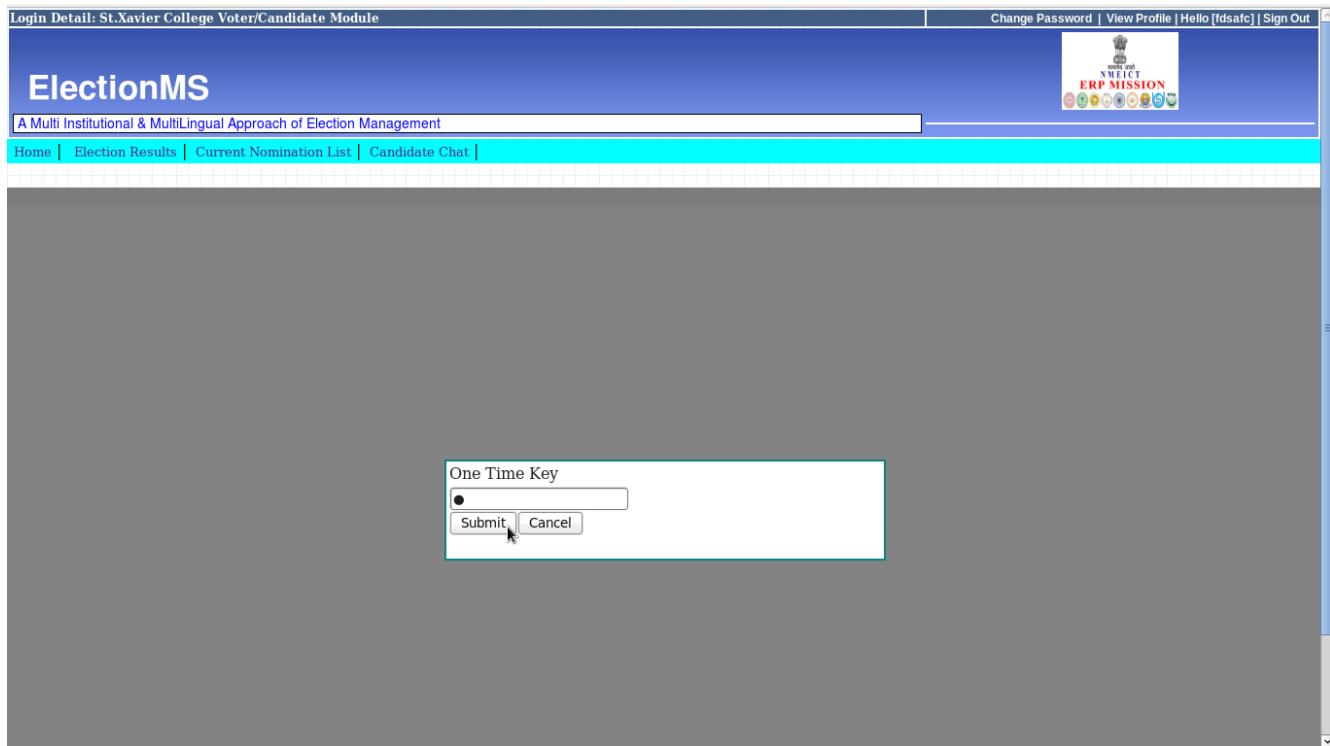


Fig 5.10 Submit One Time Key for Voting Process

After Clicking on above submit,button a ballot in which candidates with there respective position are there ,so that voter can choose his/her candidate confidentially and only one time.

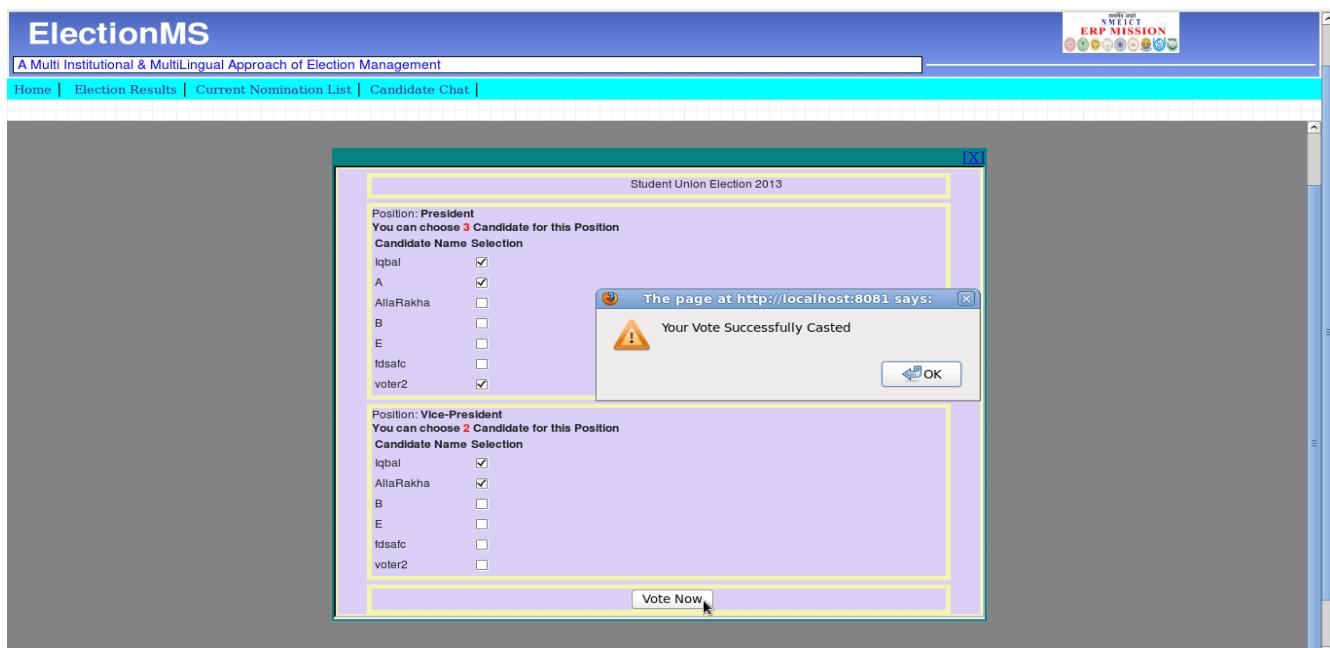


Fig 5.11 Voting Ballot Screen

## 5.7 Chat

Voter can chat with the online candidates for a particular election. In this chatting window he may ask the election related queries, and if candidate is online then chatting is easily done.

The screenshot shows the 'ElectionMS' interface. At the top, there's a header bar with 'Login Detail: St.Xavier College Voter/Candidate Module', 'Change Password | View Profile | Hello [Kedar] | Sign Out', and the 'NMEICT ERP MISSION' logo. Below the header is a banner with 'A Multi Institutional & MultiLingual Approach of Election Management'. A navigation bar at the bottom has links for 'Home | Election Results | Chat'. The main content area displays a table of elections with columns: Election Id, Election Name, Created By, Election Status, Action, Action, Action, and Action. The table contains 12 rows of data. Below the table are 'Next' and 'Previous' navigation buttons, and a page number indicator '1 2 3'.

| Election Id | Election Name       | Created By      | Election Status | Action | Action  | Action    | Action              |
|-------------|---------------------|-----------------|-----------------|--------|---------|-----------|---------------------|
| 1           | Department Election | iqbal@gmail.com | closed          | View   | Results | Cast Vote | Preferencial Voting |
| 2           | HSBC                | iqbal@gmail.com | closed          | View   | Results | Cast Vote | Preferencial Voting |
| 3           | Axix                | iqbal@gmail.com | closed          | View   | Results | Cast Vote | Preferencial Voting |
| 4           | Board of vbu        | iqbal@gmail.com | closed          | View   | Results | Cast Vote | Preferencial Voting |
| 5           | xavier election     | iqbal@gmail.com | closed          | View   | Results | Cast Vote | Preferencial Voting |
| 6           | xyz                 | iqbal@gmail.com | closed          | View   | Results | Cast Vote | Preferencial Voting |
| 7           | testing             | iqbal@gmail.com | closed          | View   | Results | Cast Vote | Preferencial Voting |
| 8           | AMU Election        | iqbal@gmail.com | closed          | View   | Results | Cast Vote | Preferencial Voting |
| 12          | QTY Electionnew     | iqbal@gmail.com | closed          | View   | Results | Cast Vote | Preferencial Voting |
| 9           | Fresh Election      | iqbal@gmail.com | closed          | View   | Results | Cast Vote | Preferencial Voting |

Fig 5.12 Chat Link Interface Part 1

when voter click on chat link then below screen will appears which ask a voter to select the online candidate to which he/she want to chat with.

The screenshot shows the 'Chat Interface' part 2. At the top, it says 'banner space', 'St.Xavier College Role[voter]', and 'Hi [Kedar]'. The main content area displays a message: 'Welcome: Kedar', 'You are: voter', and 'Select the Candidate you want to chat with'. Below this is a search bar labeled 'Online Candidates' with a dropdown menu containing 'fdsafc' and a 'Start' button. There is also a 'Back' link.

Fig 5.13 Chat Interface Part 2

Now when the voter clicks on start button , he redirects to a chatting window ,where he can chat with the appropriate candidate.

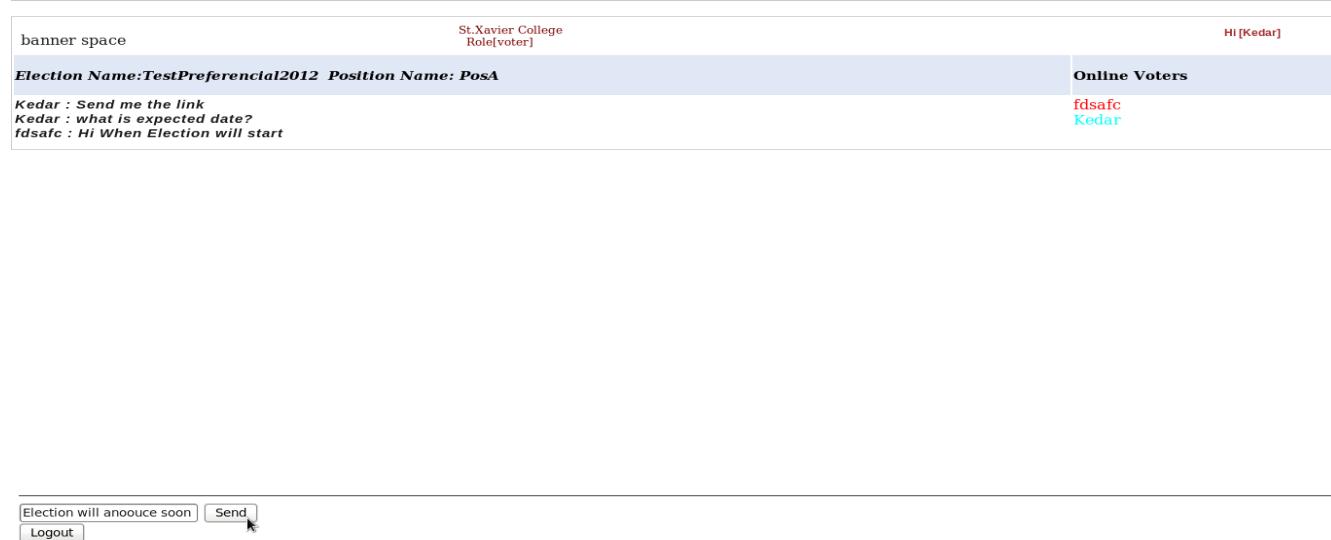


Fig 5.14 Chat Interface part 3

## 5.8 Candidate Interface

A voter can be a candidate, only when candidature request send by the voter for positions is accepted by election manager. Once the candidate ia approved by the election manager,Candidate can login into system using user id and password provided by the Election Manager.

The screenshot shows the ElectionMS Candidate Home Page. At the top, there is a header bar with the text "Login Detail: St.Xavier College Voter/Candidate Module" and links for "Change Password", "View Profile", "Hello [fdsafc]", and "Sign Out". To the right of the header is the Indian National Emblem and the text "NATIONAL ERP MISSION". Below the header, the page title "ElectionMS" is displayed, followed by the subtitle "A Multi Institutional & MultiLingual Approach of Election Management". A navigation bar at the top includes links for "Home", "Current Elections", "Election Results", "Current Nomination List", and "Candidate Chat". The main content area displays a table titled "View Next" with 10 entries. The table columns are: Election Id, Election Name, Created By, Election Status, Action, Action, Action, and Action. The data in the table is as follows:

| Election Id | Election Name       | Created By      | Election Status | Action               | Action                  | Action                    | Action                              |
|-------------|---------------------|-----------------|-----------------|----------------------|-------------------------|---------------------------|-------------------------------------|
| 1           | Department Election | iqbal@gmail.com | closed          | <a href="#">View</a> | <a href="#">Results</a> | <a href="#">Cast Vote</a> | <a href="#">Preferencial Voting</a> |
| 2           | HSBC                | iqbal@gmail.com | closed          | <a href="#">View</a> | <a href="#">Results</a> | <a href="#">Cast Vote</a> | <a href="#">Preferencial Voting</a> |
| 3           | Axix                | iqbal@gmail.com | closed          | <a href="#">View</a> | <a href="#">Results</a> | <a href="#">Cast Vote</a> | <a href="#">Preferencial Voting</a> |
| 4           | Board of vbu        | iqbal@gmail.com | closed          | <a href="#">View</a> | <a href="#">Results</a> | <a href="#">Cast Vote</a> | <a href="#">Preferencial Voting</a> |
| 5           | xavier election     | iqbal@gmail.com | closed          | <a href="#">View</a> | <a href="#">Results</a> | <a href="#">Cast Vote</a> | <a href="#">Preferencial Voting</a> |
| 6           | xyz                 | iqbal@gmail.com | closed          | <a href="#">View</a> | <a href="#">Results</a> | <a href="#">Cast Vote</a> | <a href="#">Preferencial Voting</a> |
| 7           | testing             | iqbal@gmail.com | closed          | <a href="#">View</a> | <a href="#">Results</a> | <a href="#">Cast Vote</a> | <a href="#">Preferencial Voting</a> |
| 8           | AMU Election        | iqbal@gmail.com | closed          | <a href="#">View</a> | <a href="#">Results</a> | <a href="#">Cast Vote</a> | <a href="#">Preferencial Voting</a> |
| 12          | QTY Electionnew     | iqbal@gmail.com | closed          | <a href="#">View</a> | <a href="#">Results</a> | <a href="#">Cast Vote</a> | <a href="#">Preferencial Voting</a> |
| 9           | Fresh Election      | iqbal@gmail.com | closed          | <a href="#">View</a> | <a href="#">Results</a> | <a href="#">Cast Vote</a> | <a href="#">Preferencial Voting</a> |

Below the table, there are navigation links "Next" and "1 2 3". A cursor icon is visible in the center of the page.

Fig 5.15 Candidate Home Page

## 5.9 Candidate Interface-> Current Election Link

Current Election link shows details of currently open election and the list of positions for which Voter can send the request of candidature for a particular post in that election. On clicking the button send request for candidature in front of position name, request for the nomination for that post is registered and on acceptance by Election Manager user will get another user id and password for login as candidate.

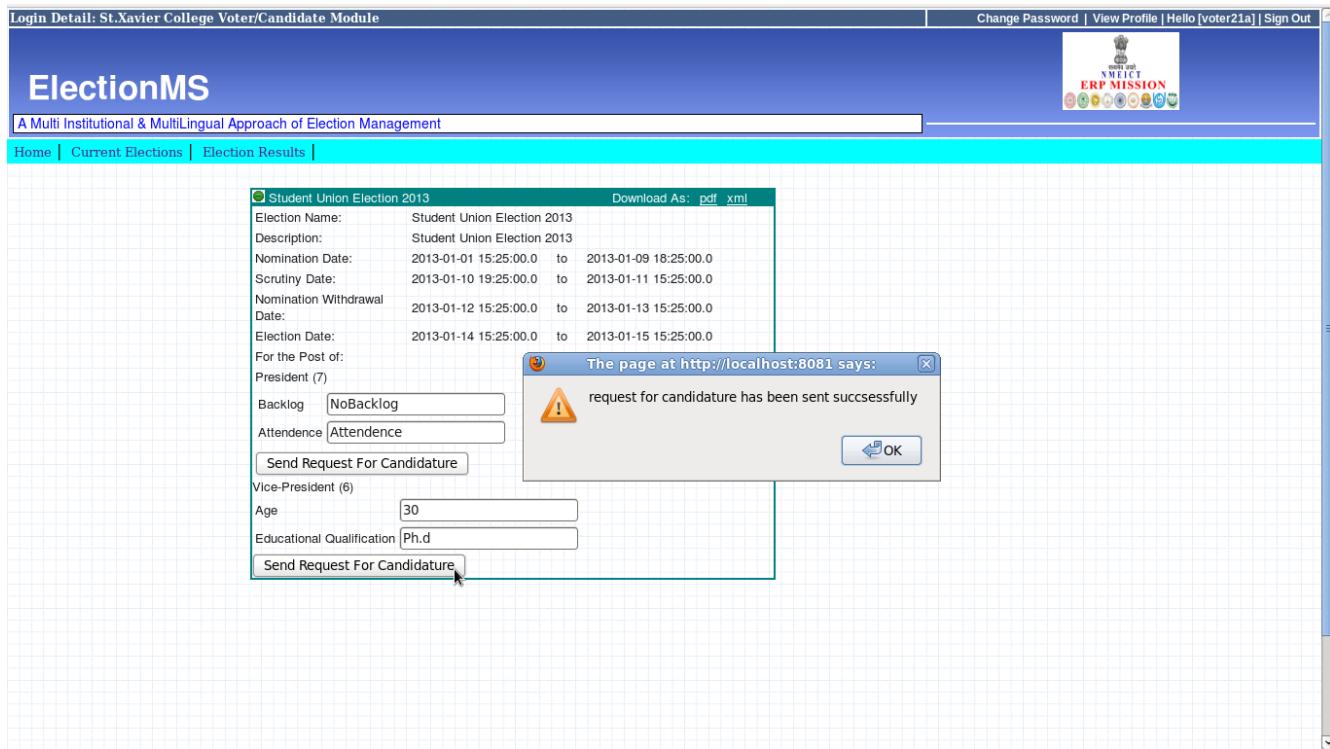


Fig 5.16 Send Candidature Request

## 5.10 Candidate Interface-> Election Result

Candidate can also view the results of closed election by clicking on Election Results link.

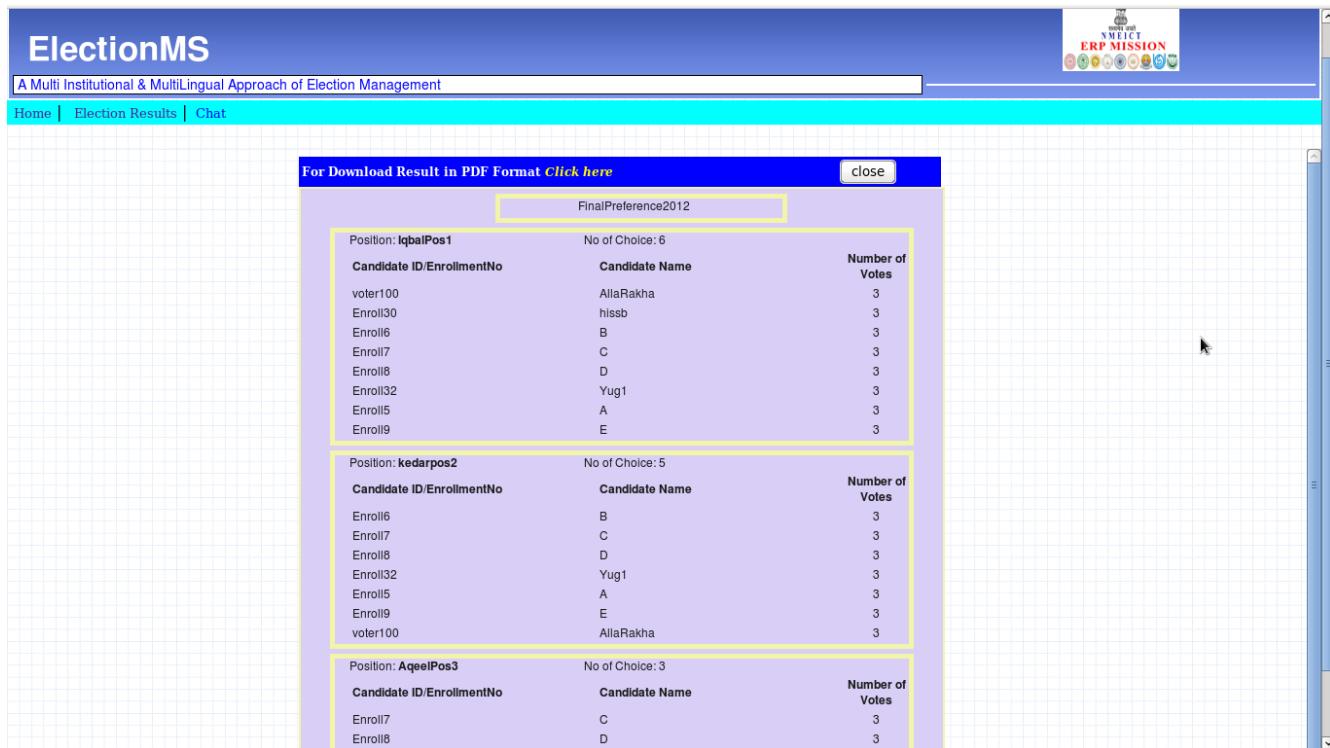


Fig 5.17 Election Result

## 5.11 Candidate Interface-> Current Nomination List

Candidate can see nomination list of other candidate also.he can also upload his manifesto, and can withdraw the nomination of his candidature during withdrawn period.

| Election Id | Institute Id | Election Name        | Position Name | Candidate Name | Action   | Action           | View Manifesto |
|-------------|--------------|----------------------|---------------|----------------|----------|------------------|----------------|
| 18          | xavier       | TestPreferencial2012 | PosA          | tdsafc         | Withdraw | Upload Manifesto | Not Uploaded   |
| 18          | xavier       | TestPreferencial2012 | PosA          | tdsafc         | Withdraw | Upload Manifesto | Not Uploaded   |
| 18          | xavier       | TestPreferencial2012 | PosB          | tdsafc         | Withdraw | Upload Manifesto | Not Uploaded   |
| 18          | xavier       | TestPreferencial2012 | PosB          | tdsafc         | Withdraw | Upload Manifesto | Not Uploaded   |

Fig 5.18 Current Nomination List

## 5.12 Candidate Interface-> Upload Manifesto

Candidate can upload manifesto of his candidature by clicking on the link on the grid .

| Election Id | Institute Id | Election Name               | Position Name | Candidate Name | Action   | Action           | View Manifesto |
|-------------|--------------|-----------------------------|---------------|----------------|----------|------------------|----------------|
| 18          | xavier       | TestPreferencial2012        | PosA          | tdsafc         | Withdraw | Upload Manifesto | Not Uploaded   |
| 18          | xavier       | TestPreferencial2012        | PosB          | tdsafc         | Withdraw | Upload Manifesto | Not Uploaded   |
| 20          | xavier       | PreTesting2012              | President     | tdsafc         | Withdraw | Upload Manifesto | Not Uploaded   |
| 21          | xavier       | Student Union Election 2013 | President     | tdsafc         | Withdraw | Upload Manifesto | Not Uploaded   |

Fig 5.19 Upload Manifesto part 1

On clicking on upload manifesto link from grid following screen will allow a candidate to upload a manifesto.

The screenshot shows the 'ElectionMS' interface. At the top, there's a banner with the text 'A Multi Institutional & MultiLingual Approach of Election Management'. Below the banner, a navigation bar includes links for 'Home', 'Election Results', 'Current Nomination List', and 'Candidate Chat'. The main content area is titled 'Upload Manifesto' and contains fields for 'Election Name' (21) and 'Position' (55). There is also a file input field labeled 'Upload PDF Format Manifesto' with a 'Browse...' button. The interface has a blue header and a light blue footer.

Fig 5.20 Upload Manifesto part 2

### 5.13 Candidate Interface-> Candidate Chat

Candidate can chat to his online voter ,just clicking on this link. if he/she finds the voter is online then he/she can convey his message about election .

The screenshot shows a chat interface. On the left, there's a 'banner space' and a status bar indicating 'St.Xavier College Role[voter]'. On the right, a message 'Hi [Kedar]' is shown. The main chat area has two entries: 'Kedar : Send me the link' and 'Kedar : what is expected date?'. Below these, 'fdsafc' replies with 'fdsafc : Hi When Election will start'. At the bottom left, there are input fields for 'Election will announce soon' and a 'Send' button, along with a 'Logout' link.

Fig 5.21 Candidate Chat

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