SmartChoice

Effective Voting, Clear Results...

Index

Abstract:-

The "Smart EVM" project introduces an innovative approach to electronic voting by seamlessly combining hardware and software components to enhance the accuracy and transparency of the electoral process. This electronic voting machine allows users to cast their votes for up to four different positions simultaneously while displaying candidate names on an LCD screen. Moreover, it offers the flexibility to update candidate names dynamically through a user-friendly web interface, accessible via a dedicated device Wi-Fi network.

The heart of the Smart EVM is its ability to adapt to changing candidate information effortlessly. By connecting a smartphone or computer to the device's Wi-Fi network and accessing a specific IP address, users can access a name-filling form to modify candidate details, ensuring the system remains up-to-date with the latest candidate infoting is complete, the Smart EVM provides an instant, clear view of the election results on its LCD screen. The results include the number of votes each candidate received for each position, promoting transparency and eliminating the need for manual counting.

Security is paramount in the Smart EVM system. To access the election results, an administrator is required to enter a secure password on the same IP address provided earlier, ensuring that only authorized individuals can view the final tally.

The Smart EVM project represents an exciting leap in the field of electronic voting, combining ease of use, real-time updates, and robust security measures to provide a reliable and efficient voting experience for both voters and election administrators. This innovative solution has the potential to revolutionize the electoral process by simplifying candidate management and result dissemination while maintaining the highest standards of security and transparency.

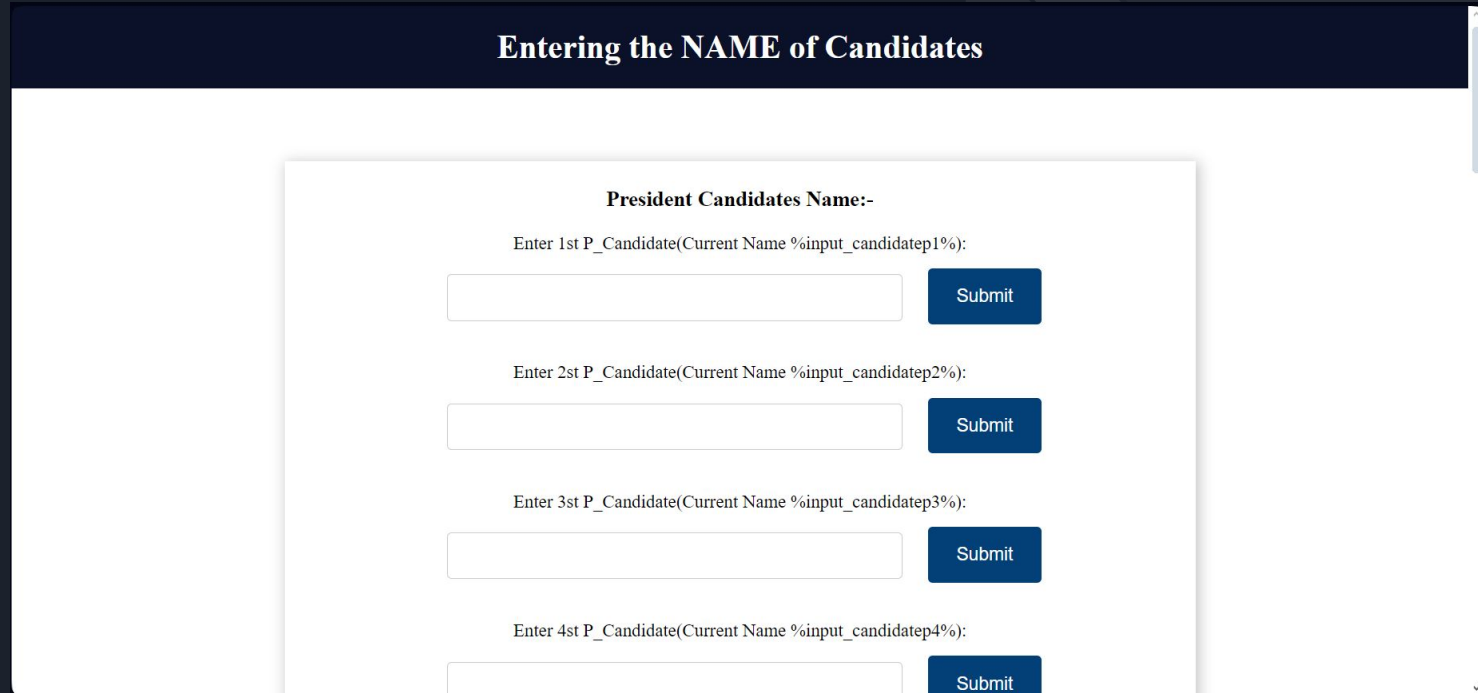# #1 Steps to Change the Names of the Candidates by connecting with EVM WiFi.

Step 1: Turn on the EVM using adaptor provided with it.

Step 2: Connect with WiFi SSID name "EVM Candidate Name".
        Password:– " varun2023 "

Step 3: Open any web browser And type search the below mentioned
        IP Address – " http://192.168.4.1/ "

Step 5: After Searching the IP you will get the webpage something like figure. If you are not getting this page please try to restart the system again and reconnect with the WIFI "EVM Candidate Name".
NOTE: Make sure while searching for the IP Address You should be connected with the mentioned WIFI.

Entering the NAME of Candidates

President Candidates Name:-

Enter 1st P_Candidate(Current Name %input_candidatep1%):

Submit

Enter 2st P_Candidate(Current Name %input_candidatep2%):

Submit

Enter 3st P_Candidate(Current Name %input_candidatep3%):

Submit

Enter 4st P_Candidate(Current Name %input_candidatep4%):

Submit

Step 6: Now Write the name of all the candidates under their assigned category i.e. President, Vice President, General Secretary and Joint Secretary

President Candidates Name:-

Enter 1st P_Candidate(Current Name %input_candidatep1%):

[ ] Submit

Enter 2st P_Candidate(Current Name %input_candidatep2%):

[ ] Submit

Enter 3st P_Candidate(Current Name %input_candidatep3%):

[ ] Submit

Enter 4st P_Candidate(Current Name %input_candidatep4%):

[ ] Submit

Vice-President Candidates Name:-

Enter 1st VP_Candidate(Current Name %input_candidatevp1%):

[ ] Submit

Enter 2st VP_Candidate(Current Name %input_candidatevp2%):

[ ] Submit

Enter 3st VP_Candidate(Current Name %input_candidatevp3%):

[ ] Submit

Enter 4st VP_Candidate(Current Name %input_candidatevp4%):

[ ] Submit

General Secretary Candidates Name:-

Enter 1st GS_Candidate(Current Name %input_candidategs1%):

[ ] Submit

Enter 2st GS_Candidate(Current Name %input_candidategs2%):

[ ] Submit

Enter 3st GS_Candidate(Current Name %input_candidategs3%):

[ ] Submit

Enter 4st GS_Candidate(Current Name %input_candidategs4%):

[ ] Submit

Joint Secretary Candidates Name:-

Enter 1st JS_Candidate(Current Name %input_candidatejs1%):

[ ] Submit

Enter 2st JS_Candidate(Current Name %input_candidatejs2%):

[ ] Submit

Enter 3st JS_Candidate(Current Name %input_candidatejs3%):

[ ] Submit

Enter 4st JS_Candidate(Current Name %input_candidatejs4%):
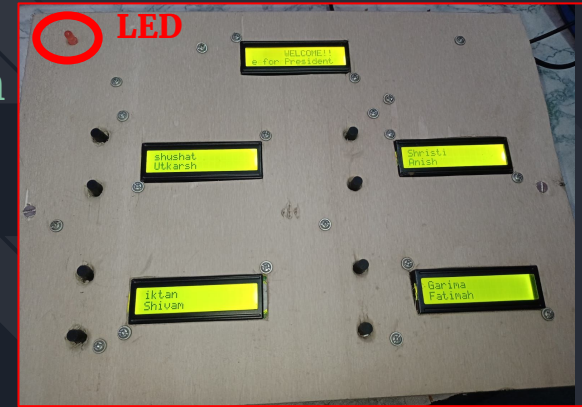
[ ] Submit

Step 7: Keep Submitting their name simultaneously.

NOTE: If you want to remove someone's name you have to type a long Blank_Space and submit it.

#2 How to START Voting ...?

Step 1: You will Observe the LED blinking on the top side of the machine. That means the voting has not started yet

Step 2: To START voting you have to long press the button the button that is present at the back side of the machine. Release the button when the buzzer starts making sound.

LED

WELCOME!!
e for President.

shushat
Utkarsh

Shristi
Anish

iktan
Shivam

Garima
Fatimah

START & Result Button

Step 3: Now Voters can cast their vote by long pressing the corresponding button.

#3 How see Result ...?

Step 1: At the end, if you want to see the result, you have to long press the button present at the back. i.e. "START and Result Button".

Step 2: Again you have to visit the same website of "Enter the name of the Candidate". By searching this in your web browser " http://192.168.4.1/ ".

NOTE: Make sure while searching for the IP Address You should be connected with the mentioned WIFI of the Machine.

START & Result Button

Step 3: Scroll down at the end of the webpage. You will get the Password Section, there you have to write the password "varun2023" to get the result on the LCD Display.

Enter Password for RESULT: [   ] [Submit]

Thank YOU😊