

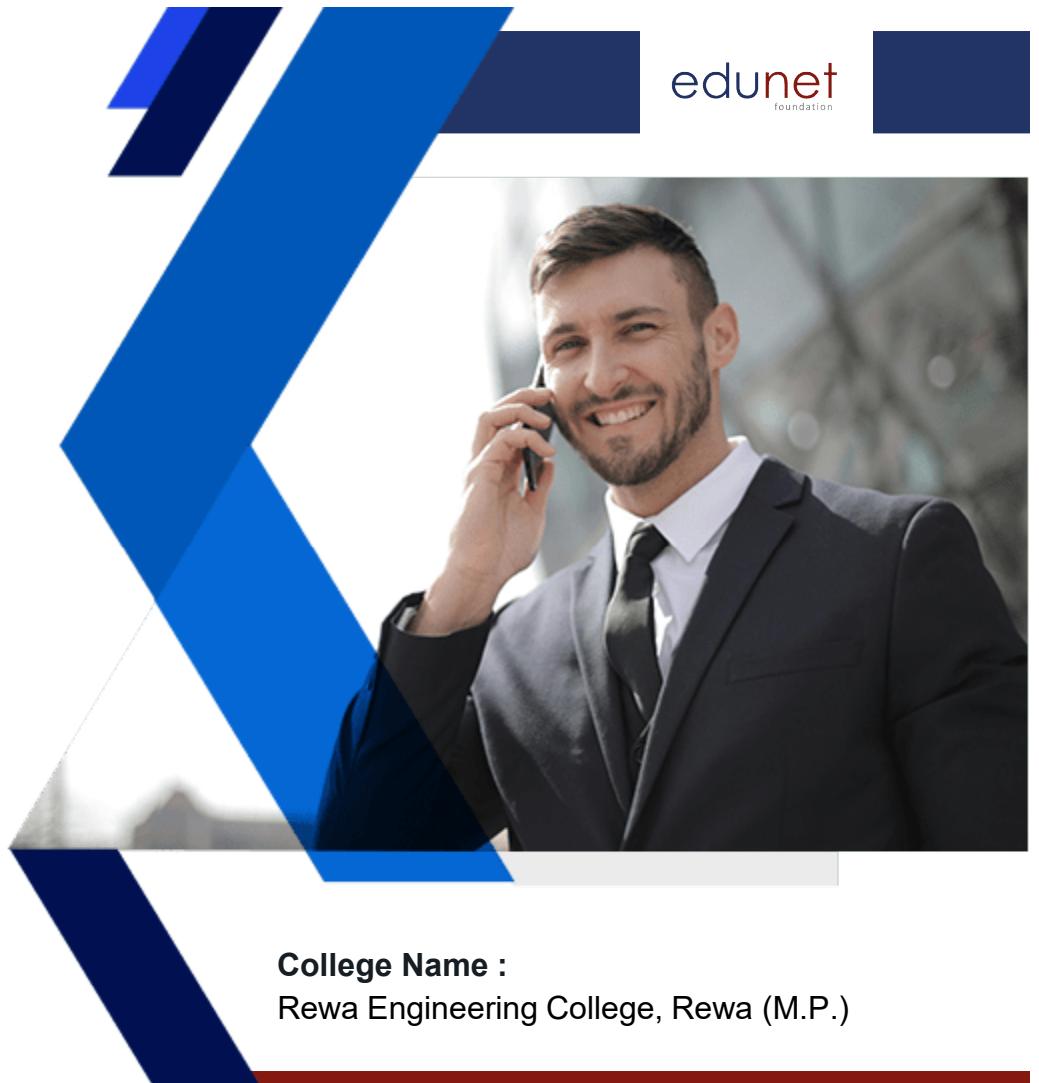
# **NEXT GEN EMPLOYABILITY PROGRAM**

**CREATING A  
FUTURE-READY  
WORKFORCE**

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## CAPSTONE PROJECT SHOWCASE

Project Title

**Voting Web Application**

Abstract | Problem Statement | Project Overview | Proposed Solution |  
Technology Used | Modelling & Results | Conclusion | Q&A

## Abstract

1

The voting procedure to guarantee impartiality, correctness, and openness in the gathering and tallying of votes.

2

To manage login, authentication, and registration procedures safely, abstract the user management system.

3

The administrator panel is used to provide reports for analysis, manage user accounts, and keep an eye on voting activity.

4

Data security and integrity are ensured by the database layer's effective communication with the underlying database system.

## Problem Statement

- The constraints of conventional voting procedures, like paper ballots and in-person voting, are the reason behind the development of this project.
- The time-consuming, error-prone, and inaccessible nature of these approaches impedes democratic participation for some demographic groups.
- These problems can be resolved by using an online voting web application, which offers a practical, safe, and welcoming voting environment.



## Project Overview

- The name of this application is Simple Voting App. This is a straightforward Python and Django Framework web application.
- This project's primary objective is to develop a specific web application that functions as a straightforward voting mechanism, allowing users to register their selection and instantly reflecting the polling result.
- With the aid of the Bootstrap Framework, the application has a straightforward and enjoyable user interface as well as a number of user-friendly features and functionalities that improve the end user's online application experience.



### Proposed Solution

- Creating an extensive web application for online voting is the answer. This platform seeks to improve accessibility, expedite the voting process, and guarantee the security and integrity of elections.
- The online voting platform will have an intuitive user interface that can be accessed on PCs, tablets, and smartphones through web browsers. This guarantees that voters will be able to conveniently participate in elections from any internet-connected place.
- One of the main concerns with online voting methods is security. Strong encryption methods will be used by the platform to protect voter data and ballot information both during transmission and storage.
- Voters' identities will be verified via authentication methods, such as biometric verification or multi-factor authentication, to guard against illegal access and guarantee the integrity of the voting process.

## Technology used

- Frontend Technologies



- Framework



- Database

- Programming language

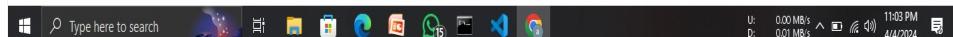
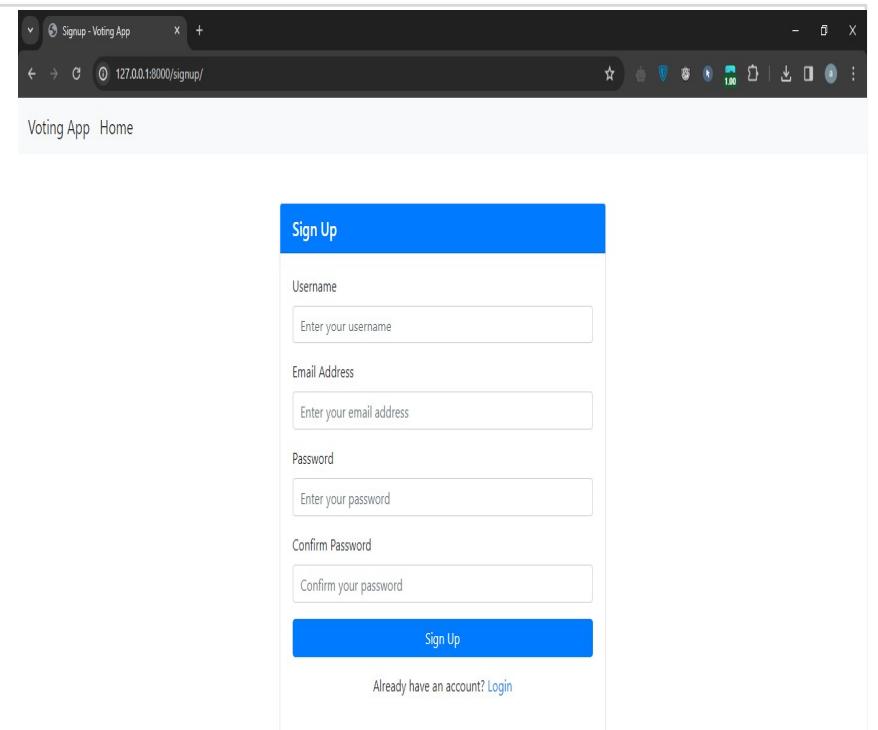
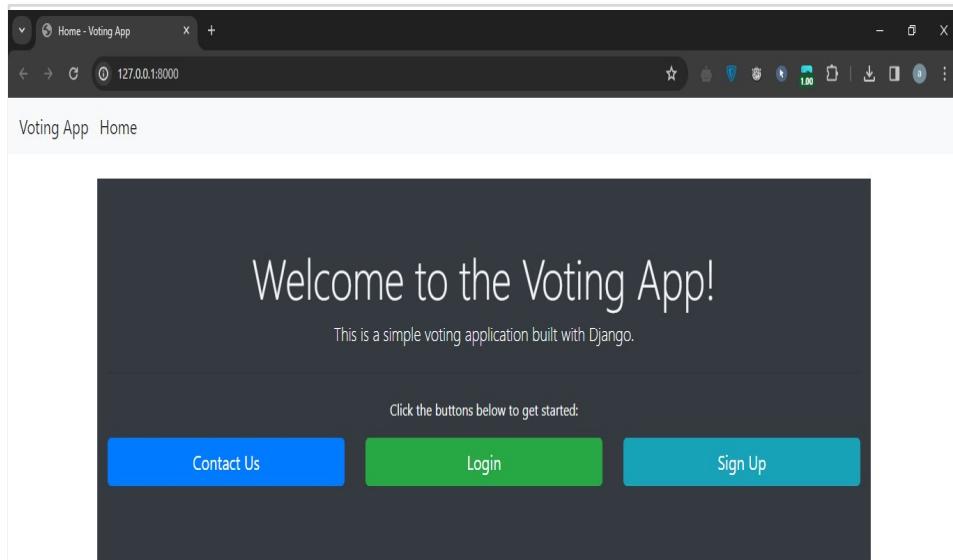


- Tools & IDE



Visual Studio Code

## Modelling & Result



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## Modelling & Result

The image displays a collage of screenshots illustrating the development and deployment of a Django-based voting application. The top row shows the initial stages: a 'Login' screen with fields for 'Username' and 'Password', and a 'Contact Us' screen where a message has been sent successfully. The middle row shows the deployed application's home page, 'Welcome To Voting App', which includes a 'View Available Polls' button. Below this is a screenshot of a browser tab showing poll questions. The bottom row shows a detailed view of a poll titled 'What is the full form of HTML ?' with two options: 'Hypertext Markup Language' and 'Hypertext Making Language'. A large green 'Vote' button is prominently displayed at the bottom of the poll page.

**Login**

Username  
Enter your username

Password  
Enter your password

Login

Don't have an account? [Sign up](#)

**Contact Us**

Your message sent successfully.

Your Name  
Enter your name

Your Email  
Enter your email

Message  
Enter your message

Send Message

**Welcome To Voting App**

This is an example Django Voting app

[View Available Polls](#)

**Poll Questions**

What is the full form of HTML ?

[Vote Now](#) [Results](#)

Which is best C++ or Java

[Vote Now](#) [Results](#)

**Voting App Home**

[Back To Polls](#)

**What is the full form of HTML ?**

Hypertext Markup Language  
 Hypertext Making Language

**Vote**

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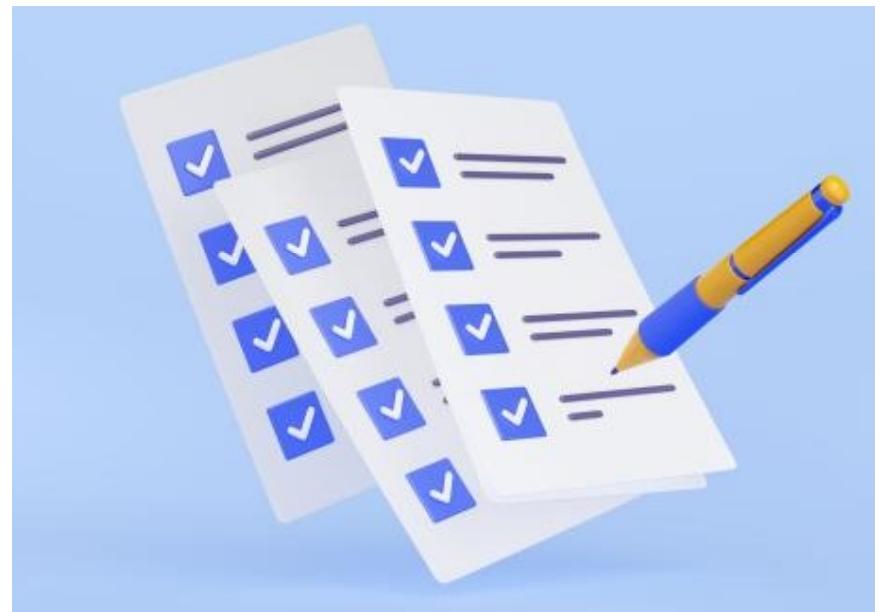
## Modelling & Result

The image displays four screenshots of a web application interface, likely a Django project, showing different features:

- Screenshot 1 (Top Left):** Shows the user interface for a poll titled "What is the full form of HTML ?". It lists two options: "Hypertext Markup Language" (1 vote) and "Hypertext Making Language" (0 votes). Below the poll are buttons for "Back To Polls" and "Vote again?".
- Screenshot 2 (Top Right):** Shows the "Add question" page in the admin interface. It includes fields for "Question text" (with a placeholder), "Date Information (Show)", "CHOICES" (with three choice entries: "CHOICE TEXT", "VOTES", and "DELETED"), and buttons for "SAVE", "Save and add another", and "Save and continue editing". On the left sidebar, under "VOTING\_APP", there are sections for "Contact messages" and "Users".
- Screenshot 3 (Bottom Left):** Shows the "Change contact message" page in the admin interface. It displays a contact entry for "Vikas Verla - vikas@gmail.com" with fields for "Name" (vikas verla), "Email" (vikas@gmail.com), and "Message" (This is a good platform). It includes "SAVE", "Save and add another", and "Save and continue editing" buttons.
- Screenshot 4 (Bottom Right):** Shows the "Select question to change" page in the admin interface. It lists two questions: "What is the full form of HTML ?" and "Which is best C++ or Java". It includes a "QUESTION" checkbox, a "Go" button, and a "0 of 2 selected" status indicator. On the left sidebar, under "VOTING\_APP", there are sections for "Contact messages" and "Users".

### Conclusion

- We have succeeded in building a safe, open, and effective platform for holding elections and gathering votes thanks to this project.
- The system offers real-time monitoring and analysis capabilities through the admin panel, protects voter privacy, and guarantees the integrity of the voting process.
- By implementing cutting-edge web development techniques and strong security protocols, we have resolved the issues with conventional voting procedures and cleared the path for an electoral system that is more inclusive and accessible.





Thank you!

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