



PARSHWANATH CHARITABLE TRUST'S

# A.P. SHAH INSTITUTE OF TECHNOLOGY

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Data Science



## POLLSTER : A Voting System

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**Project Guide**  
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# 1. Introduction

## Pollster a voting system :

A Voting System aims to address the inefficiencies of conventional voting by

providing a fully digital platform. The system allows users to create polls, vote on various topics, and view results in real time. Pollster ensures the integrity of the voting process through unique user authentication, thereby preventing fraud and multiple votes by the same participant.

The scope of this project includes the design and implementation of a user-friendly, secure online voting platform. It supports a wide range of voting scenarios, from single-choice to multi-choice questions, with the flexibility to handle polls with large numbers of participants. The system also provides real-time voting statistics and transparent results, ensuring fairness in all voting processes.

## 2. Objectives

- 1. To Ensure the platform is accessible to all users, including those with disabilities or those living far from polling places, thereby increasing voter participation and inclusivity.
- 2. To Design an accessible user interface that simplifies the voting process, ensuring that users of all technical backgrounds can participate without confusion.
- 3. To Implement automated vote counting to reduce human errors, ensuring more accurate and reliable election results.

### **3. Scope**

1. Can Build trust in the accuracy, and integrity of online voting systems is essential for widespread adoption.
2. Can Reduce the need for paper ballots, minimizing environmental impact and waste.
3. Can Provide detailed post-election analytics and reports

# 4. Feature /Functionality

## **User Registration and Authentication:**

- a. Voters can easily register online, providing necessary details to create a secure profile.

## **Remote Voting:**

- a. Voters can cast their votes from any location with internet access, eliminating the need for physical polling places and significantly reducing wait times.

## **Real-Time Results Display:**

- a. As votes are cast, results are updated in real-time, allowing voters and administrators to monitor progress during the election.

## **5. Outcomes of Project**

1. Reduction of Physical Queues.
2. To Increased Voter Participation.
3. To Enhanced Election Efficiency.

## **6. Technology Stack**

**1. Frontend (GUI) :** Java Swing.

**2. Backend (Database) :** MySQL (Database Management).

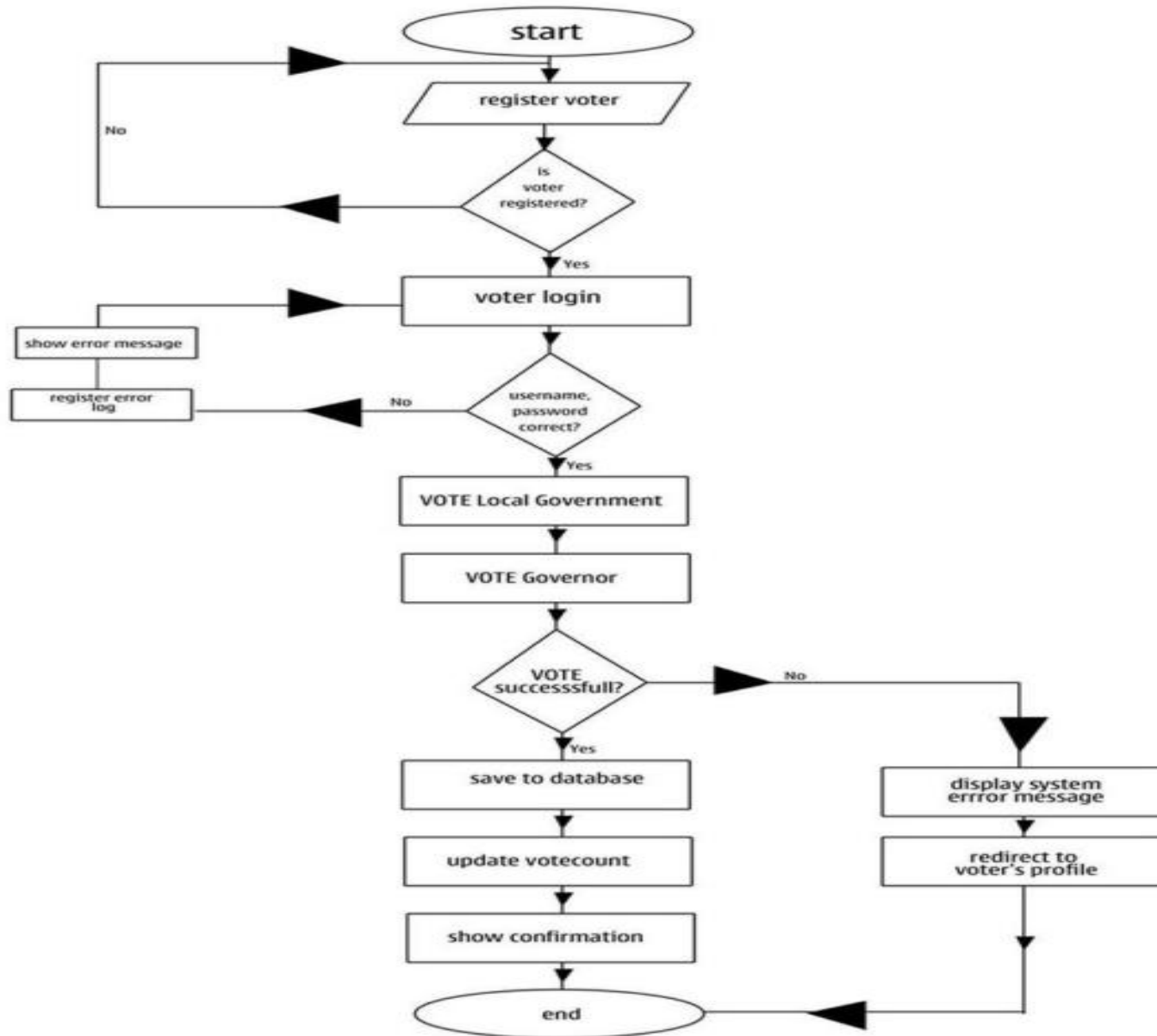
- Data Storage: MySQL stores and manages data.
- Security: Provides access control, encryption, and backup solutions for data protection.

**3. Development Environment:** NetBeans IDE.



# 7. Block Diagram

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Thank You...!!