**DETAILED PROJECT REPORT (DPR) Project Title: College Voting System**
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**Department:Computer science and engineering**
**Institution: LBS College of Engineering**
Guide: [prof.Krishna prasad]
**Date of Submission: 22 November 2025**

**Certificate:**
This is to certify that the project titled "College Voting System" is an original work carried out by Henen fathima and team under my supervision at LBS College of Engineering during the academic year 2025.
Supervisor / Guide:
(Signature)
Name: [prof.Krishna prasad]
Designation: [HOD / Faculty Name]

**Acknowledgment:**
We sincerely thank our guide, the Head of Department, and all faculty members for their guidance and support throughout this project. We also thank our friends and classmates for their valuable suggestions and help during development.

**Abstract:**
The College Voting System is a Java-based console application designed to conduct student elections securely and efficiently. It allows the admin to register candidates and students, set voting schedules, and publish results automatically after the voting period ends. Students can log in and cast their votes once, ensuring transparency and fairness. This project aims to replace traditional paper-based voting with a reliable digital system.

**Introduction:**
Elections in colleges are often time-consuming and prone to manual errors. This project introduces a digital method to simplify the voting process, reduce paper usage, and enhance result accuracy.

**Problem Definition:**
Traditional voting involves manual ballot counting, which is inefficient and prone to tampering. A digital voting system ensures accuracy, security, and faster results.

**Objectives:**
- Automate college election processes.
- Allow secure and single voting per student.
- Enable easy result publishing.

**Scope:**
The system is designed for internal college use, where admin and students access it through a console interface. It excludes online web access or biometric verification.

**Proposed System:**
The proposed system uses an Admin module (for adding candidates, registering students, and setting times) and a Student module (for secure voting). Votes are stored in files, and results are auto-published.
Advantages:
- Simple and secure
- Fast result generation
- No internet dependency

**Implementation Details:**
Language: Java
Tools: JDK 17, Eclipse / VS Code

Database: File-based storage (.txt files)
Hardware: Basic PC

**Testing:**
Tested through:
- Unit Testing
- Integration Testing
Result: All modules executed successfully and recorded votes correctly.

**Cost Estimation:**
Computer & Software: 0 INR (college lab)
Electricity & Printing: 200 INR
Miscellaneous: 100 INR
Total: 300 INR

**Project Schedule:**
Research & Design - 1 week
Coding - 2 weeks
Testing - 1 week
Documentation - 1 week

**Outcome:**
The system successfully allows the admin to manage voting and publish results.
Example:
--- Final Results ---
Sahal : 1

**Conclusion & Future Scope:**
The College Voting System effectively digitizes the voting process.
Future improvements:
- Web-based interface
- Biometric or OTP login
- Database integration (MySQL)

**References:**
1. Java Programming – Herbert Schildt
2. Oracle Java Documentation
3. TutorialsPoint.com, Javatpoint.com