E-Voting System

Aim / Objective:

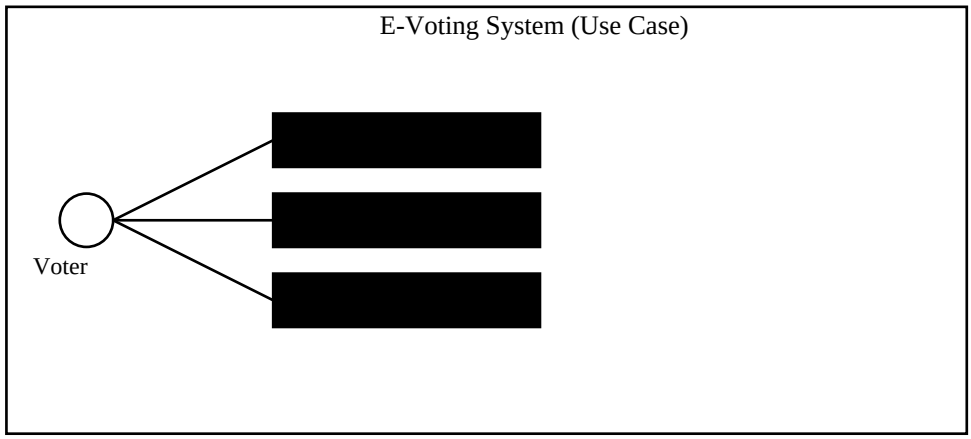
The aim of the E-Voting System is to design a secure, reliable, and efficient electronic voting mechanism that allows voters to cast their votes electronically while maintaining anonymity, integrity, and transparency in the election process.

Algorithm:

1. Start the system and initialize the election database.
2. Authenticate the voter using unique credentials (e.g., ID and password).
3. Validate voter eligibility through the voter database.
4. Display candidate list to the voter.
5. Record the vote securely after confirmation.
6. Encrypt and store the vote in the secure database.
7. Prevent double voting by marking voter status as 'Voted'.
8. After voting period ends, decrypt and count votes.
9. Display and store the final results securely.
10. End the process.

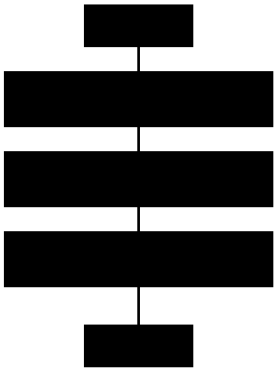
UML Diagrams:

Use Case Diagram



Activity Diagram

E-Voting Activity Diagram



Sequence Diagram

E-Voting Sequence Diagram