

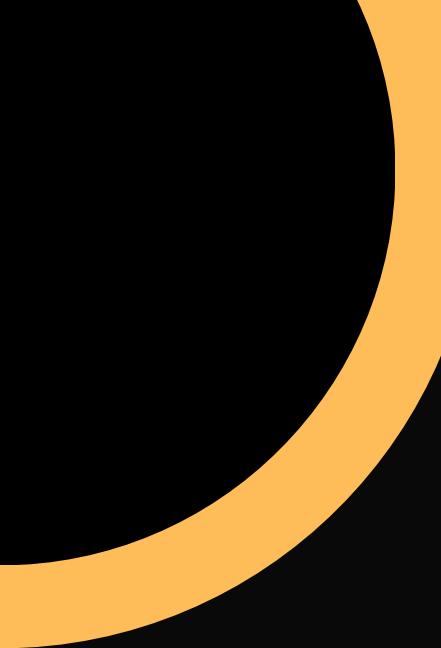
PRESENTATION ON

Security and Privacy Concerns about Electronic Voting

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INTRODUCTION

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- 01** Electronic voting systems have gained significant popularity in recent years due to their potential to enhance the voting process.
 - 02** However, along with their benefits, there are inherent security and privacy concerns that need to be addressed.
 - 03** We will discuss potential threats and vulnerabilities that can compromise the accuracy, transparency, and privacy of the voting process.

Overview of Electronic Voting



01 What is Electronic Voting?

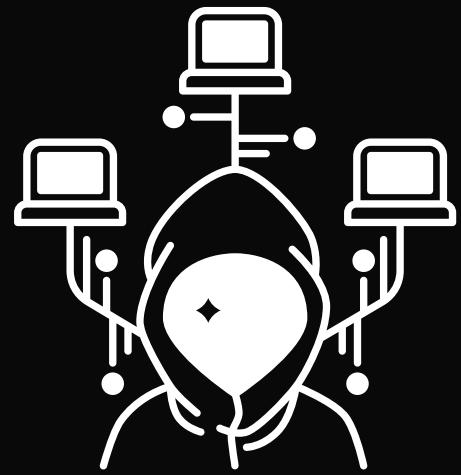
Electronic voting, also known as e-voting, refers to the use of electronic systems and technology to facilitate the casting and counting of votes in elections.

02 Advantages of Electronic Voting

- i) Increased accessibility
- ii) Enhanced efficiency
- iii) Improved accuracy



Security Concerns



Common security concerns include:

- a. Hacking**
- b. Tampering**
- c. Insider Attack**

Security breaches can lead to:

- a. Compromised election results, affecting the legitimacy of the democratic process.**
- b. Loss of public trust and confidence in the electoral system.**
- c. Potential legal and political implications, leading to challenges and disputes over election outcomes.**



Privacy Concerns

Key privacy concerns include:

- a. Collection of voter data**
- b. Anonymity**
- c. Voter identification**

Compromised privacy can result in:

- a. Voter profiling and targeted political advertising based on collected data**
- b. Coercion or intimidation of voters due to the potential disclosure of voting preferences**
- c. Distrust and skepticism among voters regarding the protection of their personal information.**



Enhancing Security in Electronic Voting

- **Encryption**
- **Secure Transmission Protocols**
- **Audit Trails**

Ensuring Privacy in Electronic Voting:

- **Privacy by Design**
- **Anonymization Techniques**
- **Access Control and Data Protection**

CONCLUSION

- Addressing security and privacy concerns in electronic voting is crucial for maintaining the integrity and trustworthiness of elections.
- Robust security measures, encryption, secure transmission protocols, and audit trails are essential for protecting the voting process.

