# Experiment. No. 18

**Title :** mini Project - 3

**Problem statement :**

Develop a blockchain based application dApp (decentralized app) for voting system

**Theory :**

Blockchain is a technology that is rapidly gaining momentum in era of industry 4.0

with high security and transparency provisions, it is being widely used in supply chair management systems, healthcare, payments, business, IoT, voting systems, etc.

**why do we need it ?**

current voting systems like ballot box using voting or electronic voting suffer from various security threats such as DDoS attacks. poulling booth capturing, vote alteration and manipulation, malware attacks, etc and also require huge amounts of paperwork, human resources and time.

This creates a spense of distinct among existing systems.

**Disadvantages :**

- long queues during elections.
- security breaches like data leaks, votes
- Lot of paperwork involved, hence less eco-friendly and time consuming.

- cost of expanditure on election is high

Advantages

- you can vote anytime / anywhere
- secure
- Immutable
- Faster
- Transparent

Conclusion :

Hence, we have successfully completed the implementation of mini project.