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(71)**Name of Applicant :**
1)NOIDA INSTITUTE OF ENGINEERING & TECHNOLOGY
Address of Applicant :19, Knowledge Park-II, Institutional Area, Greater Noida – 201306, Uttar Pradesh, India. Uttar Pradesh India
(72)**Name of Inventor :**
1)ANAMIKA SRIVASTAV
2)SANA ANJUM

(57) Abstract :
The invention discloses a blockchain-augmented voting system comprising a voter interface (101), identity verification module (102), encryption unit (103), blockchain network (104), distributed ledger nodes (105), and audit system (106). It ensures secure, immutable, and transparent elections by cryptographically sealing each ballot and validating transactions across distributed nodes. Real-time auditing (106) and fraud detection mechanisms enhance transparency, scalability, and public trust. The system enables verifiable yet anonymous vote casting, ensuring reliability and inclusivity in modern democratic elections.

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