Aadhar Based Biometric Electronic Voting System

Shiva Kumar V[1], Akshaya J[2], B Thulasi Brundha[3], G Saiprasanna[4]

Students, Department of Computer Science and Engineering[1,2,3]

Assistant Professor, Computer Science and Engineering[4]

Rao Bahadur Y Mahabaleswarappa Engineering College, Ballari, India

Abstract: *Flawless voting is guaranteed through the use of Electronic Voting Machines. It is crucial for citizens to have confidence in the security of their votes and to prevent any fraudulent activities. The primary objective of this initiative is to create a secure Electronic Voting Machine that utilizes fingerprint identification technology. To access fingerprints, the AADHAR card database is utilized. During elections, the authentication process for e-voting involves finger vein sensing, which allows voters to cast their votes after electronic ballot reset. Furthermore, the voting data and details of voters can be transmitted to the nearby Database Administration unit via WIFI. The fingerprint scanning feature is implemented to ensure security and prevent issues like fake or repeated voting. This system not only improves accuracy but also enhances the speed of the voting process.*

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