

# Anywhere Vote: ATM as EVM

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## ABSTRACT

The Election Commission has been using the manual system during elections to vote in the digitization of this modern age. In all Elections (Presidential\Parliamentary), electronic voting machines (EVMs) are being introduced, although they are not fully automated and have many limitations. And moreover, every election is determined by the people who show up.

The main idea is to build a system that modifies the ATM's (Automated Teller Machine) system to work as EVM (Electronic Voting Machine) during the elections dates. This will allow to facilitate the election process for any voter in India to cast the vote to their respective constituency from anywhere in India by going to the nearest ATM in his/her location. When the voter inserts his/her ATM card, a voting option will be enabled for casting the vote. When the voter selects the voting option, they have to pass through a 2-level authentication procedure. Then, the user is allowed to cast his vote by selecting a political candidate from a list of political parties of that constituency. Again, authentication will be asked before casting vote. When it is completed the count in that unique hash value is incremented and the voting access to the user will be disabled for the particular voter.

All votes are stored directly in the Electoral Commission main database. Kerberos Authentication Server and Voting Card Database are used for voting and authentication process.

