PREVENTING PHISHING ATTACK ON VOTING SYSTEM USING VISUAL CRYPTOGRAPHY

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ABSTRACT

Electronic voting enhances election efficiency and accessibility but faces security challenges, particularly phishing attacks. Visual cryptography offers a solution by securely sharing sensitive information while maintaining confidentiality. This research integrates visual cryptography into electronic voting systems to reduce phishing attacks and protect voter identities and voters, thus reinforcing democratic principles and advancing voting technology. The system uses visual cryptography to create shares from voter facial images. These shares must be combined by authorized parties to retrieve the original information, ensuring security through multi-party cooperation.

Keywords: Electronic voting, phishing attacks, visual cryptography, voter protection, election integrity, voting technology.