

ABSTRACT

The project is undertaken at Symbiosis Institute of Geoinformatics, Pune. The present day technology has become everything. The aim of this project to increase the percentage of vote that is being casted. The project is a web based application where the user can login in his home to cast their vote instead of standing in line to cast his vote for the desired election candidate. The next question which will arise is the question of security. To answer this question the model is built with two level of security one is Face recognition and the second is blockchain. The face recognition is used to validate the user and the blockchain is used to keep the data that is in our case is the vote that is being casted secure from the fear of getting tampered. Tools like LBPH for face recognition, SHA3-256 for blockchain encryption, DANJO for forming connection and SQL to store data are used.

Keywords: Blockchain, Face recognition, Hass cascade, LBPH, SHA3-265, CNN, DANJO, SQLITE