

## Abstract

In this paper, an improved electronic voting machine using a microcontroller and a smart card is presented. The identity control that was done manually is eliminated and replaced by a smart card. It also saves the elector's card number, number of electors, and the voting results while ensuring anonymity. The results are only accessible for the administrator card. The simulation is done using Proteus Professional Software V7. Microcontrollers are programmed in assembly language under MPLAB IDE software V.8.56