ABSTRACT

Security system is an integrated security system, which provides automation and state information of an event or condition that can be applied to the housing complexes, office buildings, campuses or agencies who need it.

Automatic door control system with a password ATMega 8535 AVR microcontroller is a control system that allows only certain people can access a limited area. The system is controlled entirely by the 8-bit AVR microcontroller with a 8535 ATMega 2Kbytes of ROM for program memory. The passwords are stored will be stored in the EPROM so that we can change it anytime.

This system has a key with a password that can be entered through the EPROM. If the password had been entered with a password that has been stored into the memory of the relay will go up and the doors open. If the entered password is the password is wrong then the LCD will display the words "wrong password".

Therefore, the final project is expected to produce a system that can enhance security systems based on microcontroller technology. With a password, only a few users who can enter restricted areas so that security is guaranteed.

Keywords : Mikrokontroler AVR ATMega 8535, LED, Password