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

ii