



## ***ABSTRACT***

*In making this final project, a based sms system information of door lock with password has been designed. Control based sms system information of door lock with password based sms will work if the keypad is pressed in accordance with password that have been programed into the microcontroller.*

*The password used is the number, which amounted to 5 digit numbers on the keypad. Which is used as security password access for to unlock the door .*

*On the keypad in addition to the input, keypad as well as the output is useful to provide feedback to the microcontroller and there are 3 outputs , namely lcd , buzzer and servo motors.*

*This tool is made using ATmega32 microcontroller that serves as a data processor , a buzzer sounds markers when an error occurs in emphasis password , keypad inputs as well as outputs to provide data to the microcontroller , the servo motor serves as a regulator of the corner to make the door open and closed , lcd function as a conduit of information from the statement of the status of the password and the data keypad . This tool has been tested and the results are in accordance with its intended purpose .*

***Keywords : ATmega32 , servo motors , LCD , keypad , buzzer***