Abstract

In line with current technological developments, the role of an automation control tool is needed without exception in a room security system that requires a very high level of security. Because of the reason for the lack of security and comfort in the electrical engineering laboratory room with a lot of equipment in practice, the authors made a system to answer these needs. For this reason the writer will create a Microcontroller-Based Door Access System Using Arduino which gives room users a sense of security and comfort when they use the room. To achieve this goal the author approaches the system design method, namely the design of hardware and software systems such as, designing tools, circuits and programming on applications and testing tools. By using selenoid sequences, relays, microcontrollers and bluetooth are connected to the door. The result of this system testing is to use Arduino to access other than the user can not enter the room. And it is expected that in development can maximize the performance of the matlab application to Arduino because in this test the application cannot be tested.
References


Index Terms
- Computer Science
- Security

Keywords
- Microcontroller, Arduino Uno, room security, access code