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FINAL REPORT

**CONTROLLING LOCKDOOR USING
ARDUINO & BLUETOOTH**

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ABSTRACT

It is common sense that, nowadays people would rather have fewer things to carry around. However the need to carry around the heavy door lock metal key may have burden the carrier who already having more important gadget such as smartphone in their pocket. Therefore, in this project we proposed digital key embedded in smartphone which is more secured by controlling door lock using Arduino and Bluetooth instead of using normal key, we program the door lock password information in the Arduino microcontroller. So that when we key in password via smart phone, with the help of Bluetooth we control the lock door accessory. The result is turned out to be successful. A little bit head up about our project, the smartphone need to install (Bluefruit LE for iOS and Bluetooth SPP for android) from the aforementioned application we will connect smartphone's Bluetooth to the Bluetooth is circuit board. So if we want unlock the solenoid lock, all we have to do is to type the correct password that we programed earlier. If is the incorrect password Arduino will automatically revert the information to the red LED. (An indicator is input password is incorrect). So basically our project runs smoothly without any problem. We just hope our project can be introduced to the civilization. We created this project for the people after all.

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DECLARATION OF ORIGINAL WORK

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