CHAPTER 5

IMPLEMENTATION AND RESULTS

Implementation

1. First we Download first Tasmotizer (https://github.com/tasmota/tasmotizer/releases)
2. After that we must Download BIN File Tasmota
(https://github.com/tasmota/tasmotizer/releases)
3. Then we open the tasmotizer and input the tasmota file bin that we downloaded earlier
4. Configure to your connection.
5. Open the wifi connection and click the one that says Tasmota
6. Fill in according to your Ssid and Password
7. Then it will automatically be directed to The Tasmota IP Address.
8. Select configuration and fill in configuration module.
9. Set the Configuration to generic and we match the pins.
10. In this study I used pin D3 GPIO0 as a relay. if you click save then tasmota will reset our device
11. So to use it the first time we have to make sure nodemcu is connected to the wifi that has been registered first
12. After it is connected then we can connect our smartphone to the Ipcam wifi
13. Then we just open the IpCam that we got earlier then we are immediately directed to the Live Cam.
14. If it is we can go directly to the Tasmota url earlier then click Toogle to turn on the system
15. If the system is live we just open it using the Card we have registered or with Pin.

Results

System testing is the process of trying or executing hardware and software to test whether the system is running as expected.

Figure 5.1:Testing Card

Figure 5.1 Testing Card RFID to RFID Access Control Panel X1 Keypad Card Password Door Lock

Figure 5.2: Door Opened

Figure 5.2

Indicates the door has been opened and Solenoid working properly.

Figure 5.3 : Push Button

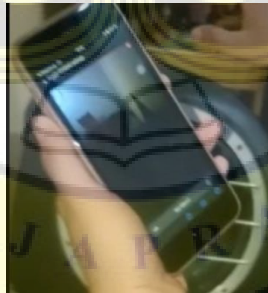Figure 5.3 This Push Button Working Properly

Figure 5.4:Esp 32 Cam

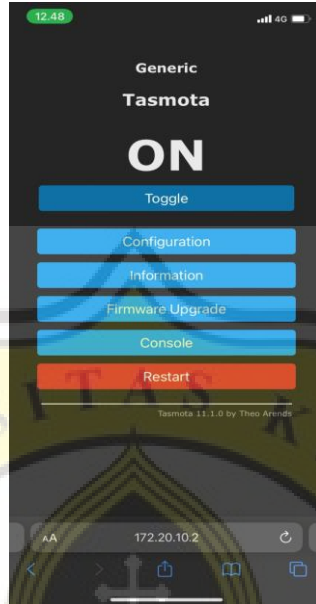Picture5.4 shows a live video when the link clicked.

Figure 5.5: Tasmota View

Figure 5.5 this is a tasmota display and it works properly.

Tasmota experiment results in opening the door.

TESTING	RESULT
1	Successful No Error Or Bugs
2	Successful No Error Or Bugs
3	Successful No Error Or Bugs
4	Successful No Error Or Bugs
5	Successful No Error Or Bugs
6	Successful No Error Or Bugs
7	Successful No Error Or Bugs
8	Successful No Error Or Bugs
9	Successful No Error Or Bugs

10	Successful No Error Or Bugs

Table 5.1 Tasmota

Response speed from Tasmota to Door Lock

Tasmota to Door Lock	1 sec
Card to Door Lock	0.5 sec
Password Pin to Door Lock	0.5 sec

Table 5.2 : Response Speed

Difficulty In Working

1. Tools are hard to find in stores, so buy tools online.

2. The brevity of the tool.

3. Lack of reference sources.