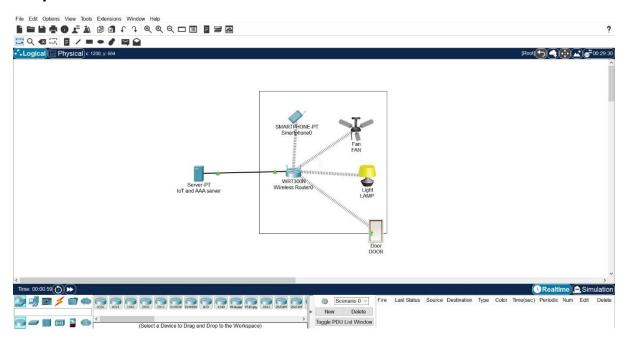
## **Room Automation using cisco packet tracer**

The main aim of this project is to make a simple room automation system using cisco packet tracer.

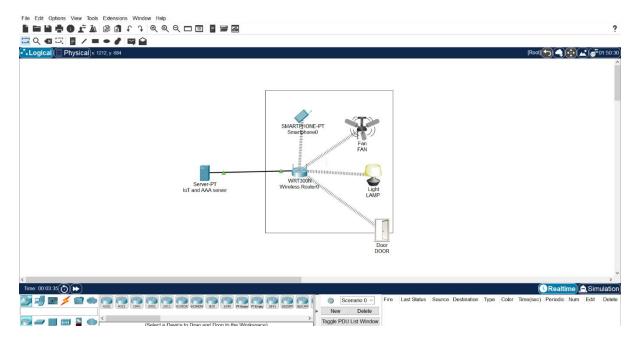
The system contains a fan, lamp and a door all controllable from the phone. The fan and lamp will switch on when the door is opened and will switch off when the door is closed.

All the components are connected to the wireless router which is further connected to an IoT registration server and a AAA Radius authentication server. The IoT registration server controls the IoT management and the AAA security server manages the passwords for the equipment for security aspects.

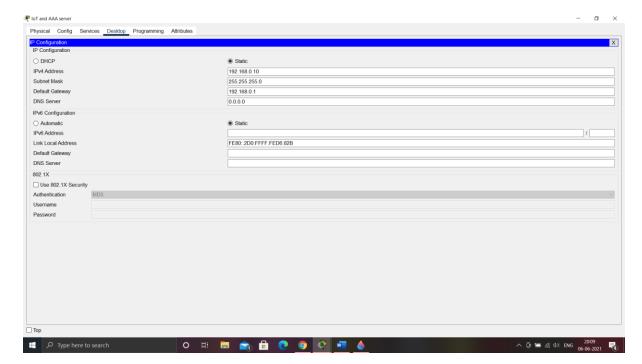
### **Output Screenshot:**



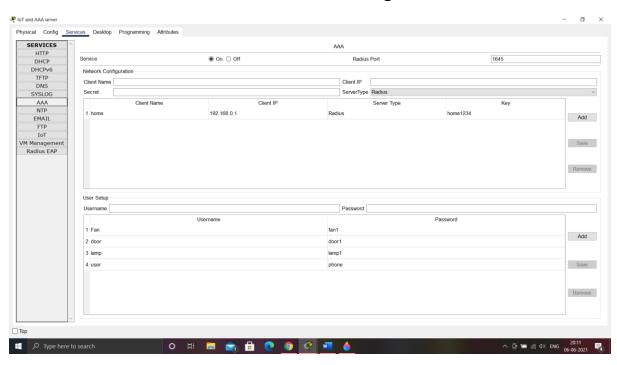
#### **Door Closed**



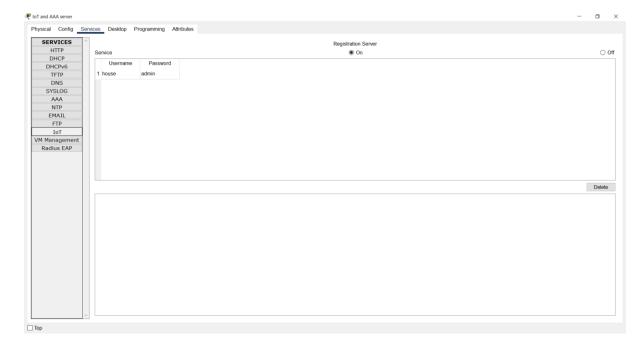
**Door Open** 



**IoT and AAA Server IP Configuration** 



**AAA Server Configuration** 



## **IoT Registration Server**



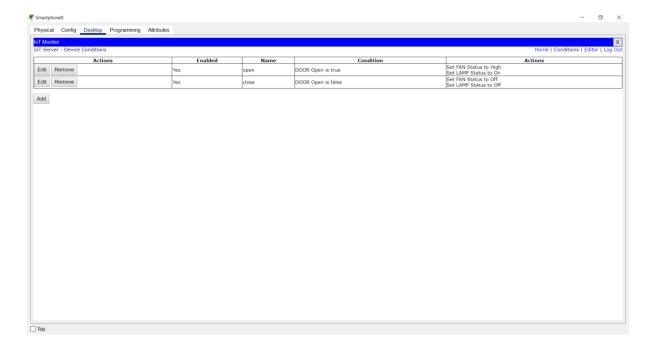
**Wireless Router IP Configuration** 



# **Wireless Router Security Configuration**



**Smartphone IoT Monitor** 



**IoT Device Condition**