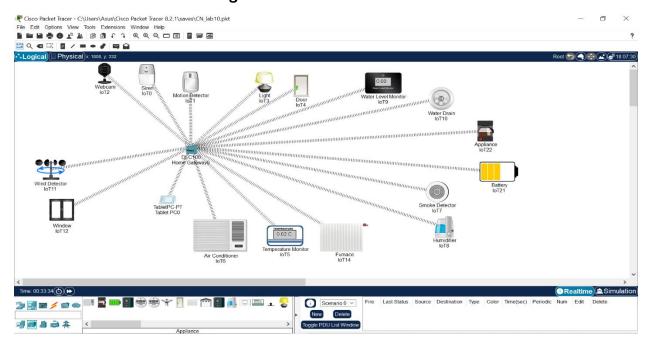
Computer Networks CS361 Lab10

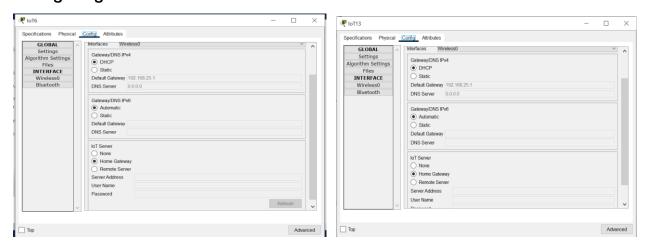
Name: Dipean Dasgupta

ID:202151188

TASK: Create an IOT environment where you need to connect your home gateway and connect total of 10 IOT devices and create a total of 15 conditions where each condition should be affecting at least 5 IOT devices.

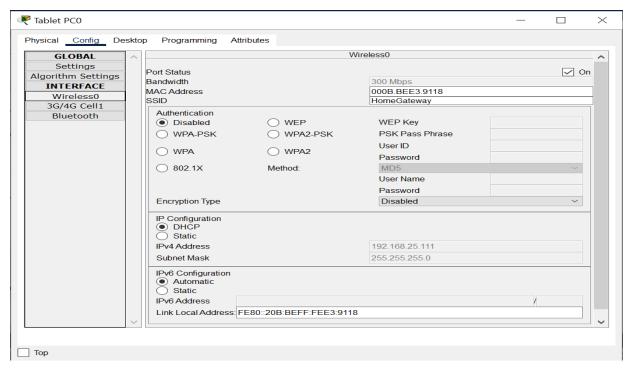


Configuring IOT devices...

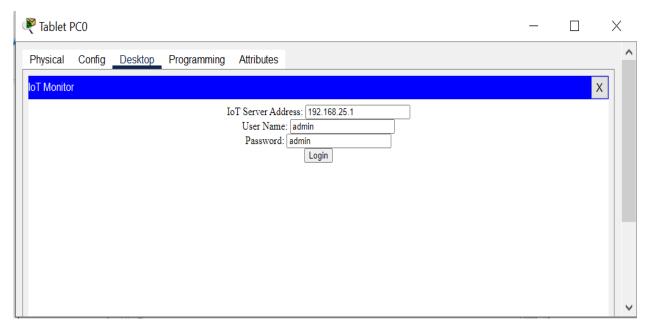


All IOT devices are to be connected to HomeGateway IOT server.

Configuring Tab...

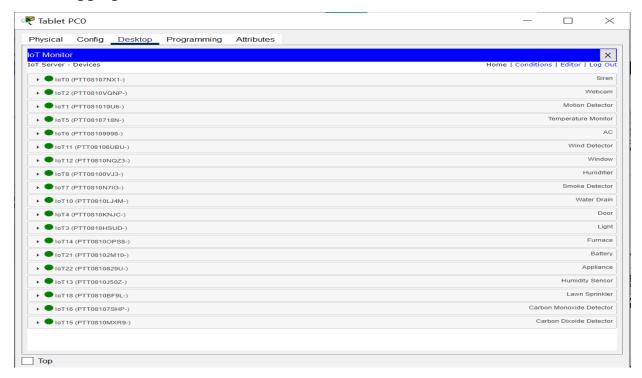


Logging in to IOT server...

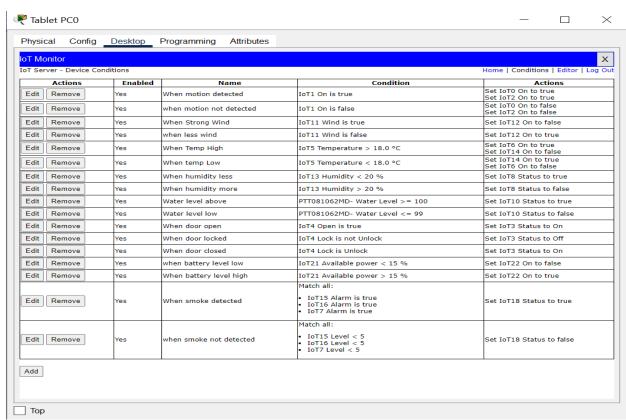


So, here logging in to IOT server 'HomeGateway' through IOT monitor/web browser.

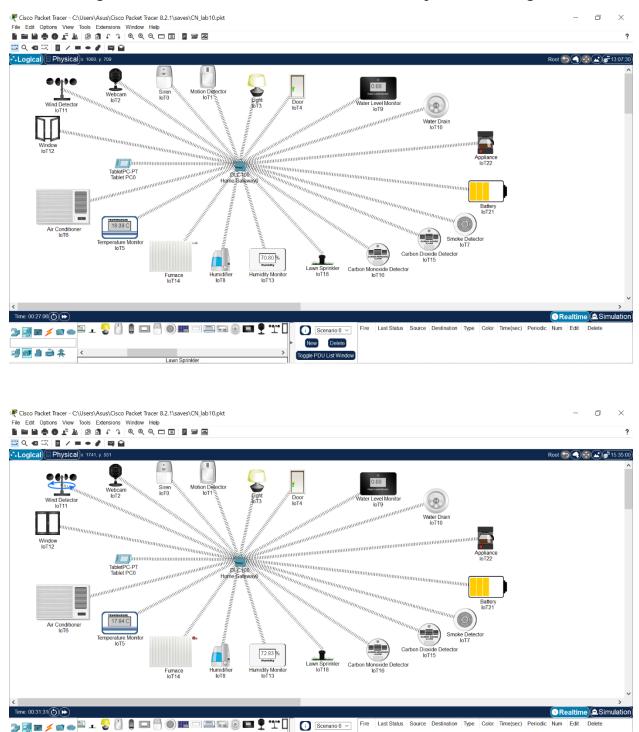
After Logging in...



Setting up conditions...



After setting all conditions...some screenshots of all system running



So here we see,

As wind is detected, window is closed. If no wind is detected, window will be open.

Based on value in temperature, AC and furnace are being on and off. As in last image, temp is less than 180, so furnace is on as per condition.

Then, light is on as door is open and unlocked. It will close if door is locked.

The appliance is running as battery is still in a good level. As it falls below 20%, appliance will stop.