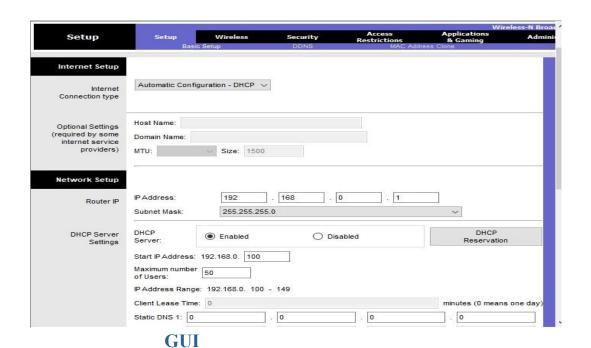
Experiment 6: Implementation of Smart home using Cisco packet tracer and verify the configuration.

- Step 1: Add devices WRT300N Wireless Router,2960-24TTswitch,Server-pt Laptop-PT.
- Step 2: open router got to config tab make changes shown in image

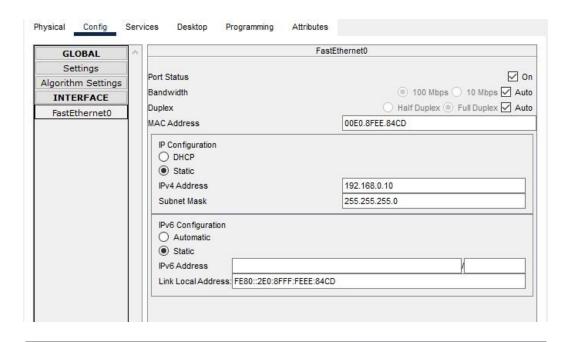
GLOBAL	Wireless Settings		
Settings	SSID	Home	
Algorithm Settings	2.4 GHz Channel	1 - 2.412GHz	
INTERFACE Internet	Coverage Range (meters)	250.00	
LAN	Authentication	- Laninesono	
Wireless	○ Disabled ○ WEP WEP Key ○ WPA-PSK ○ WPA2-PSK PSK Pass Phrase ○ WPA ● WPA2 RADIUS Server Settings IP Address IP Address 192.168.0.10 Shared Secret swaran		
	Encryption Type A	AES	V

wireless

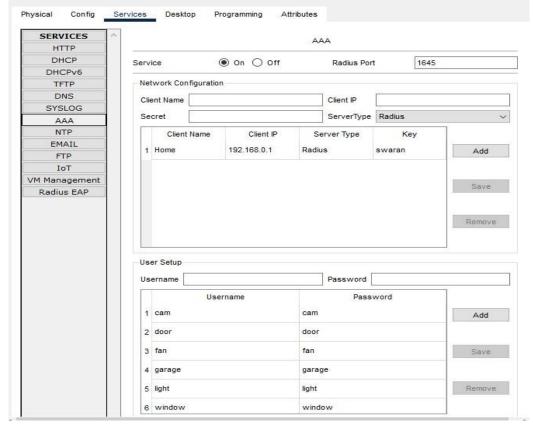


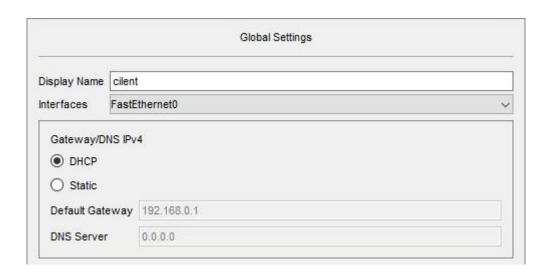


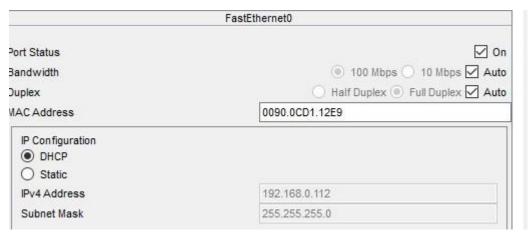
wireless security step 3:open server and go to config tab



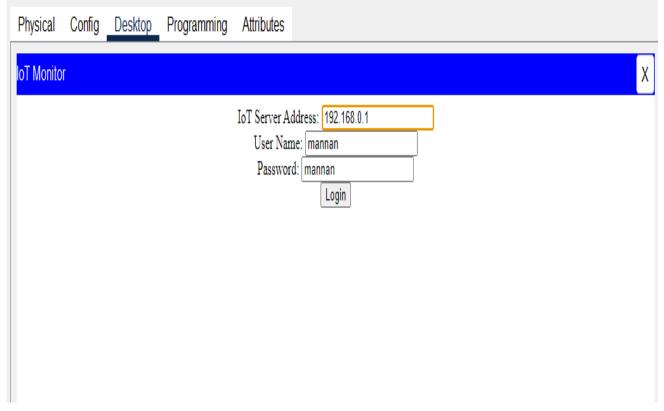








on pc go to desktop and open iot monitor



X		
Home Conditions Editor Log Out		
Ceiling Fan		
Light		
Window		
Door		
Garage Door		
Webcam		

step 5: add devices like light, ceiling fan, window, door, garage door, webcam select a device go to config wireless setting and update similarly update in server AAA tab.

Wireless0					
ort Status				☑ 0	
andwidth		300 Mbps	300 Mbps		
IAC Address SID		000B.BEE1.26	000B.BEE1.26C1		
		Home			
Authentication					
O Disabled	○ WEP	WEP Key			
○ WPA-PSK	○ WPA2-PSK	PSK Pass Phrase			
O WPA	A MANDA D	User ID	light		
O WHA	● WPA2	Password	light		
O 802.1X	Method:	MD5		~	
		User Name			
		Password			
Encryption Type	Encryption Type AES		s v		
IP Configuration O DHCP					
O Static					
IPv4 Address		192.168.0.108	192.168.0.108		
Subnet Mask		255,255.255.0			
IPv6 Configuration					
Automatic					
O Static					
IPv6 Address			1		
Link Local Address:	FE80::20B:BEFF:FEE	1:26C1			

In global setting update

Display Name	loT2	2				
Serial Number	PTT08	PTT081078Q2-				
Interfaces	Wireles	ireless0				
Gateway/Df	NS IPv4					
O DHCP						
O Static						
Default Gate	eway 1	92.168.0.1				
DNS Server	0	0.0.0				
Default Gate						
loT Server						
O None						
O Home G	ateway					
Remote	Server					
Server Addr	ress	192.168.0.10				
User Name		swaran				
Password		swaran				