

DEPARTMENT OF INFORMATION

TECHNOLOGY

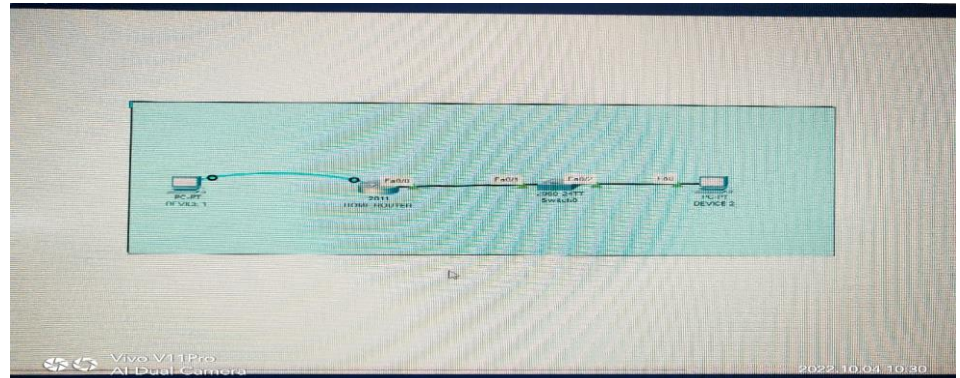
Semester	T.E. Semester V – Information Technology Engineering
Subject	Security Lab
Subject Professor In-charge	Prof. Kanchan Dhuri
Assisting Teachers	-
Laboratory	MS Teams

Student Name	Aryan Sadvelkar	
Roll Number	20101A0030	
Grade and Subject		
Teacher's Signature		

Experiment Number	11	
Experiment Title	Router Security	
Resources / Apparatus Required	Hardware: Basic Desktop with Windows or Linux.	Software: Cisco Packet Tracer
Theory	Router Security: <ol style="list-style-type: none"> In this experiment we first create a network using one router, switch and network device i.e., PC We connect the switch and PC with fast ethernet cable and console wire for router and switch connection. After connection, open CLI and type the following commands: <ol style="list-style-type: none"> en config t hostname <name> int f0/0 ip address <> 255.255.255.0 no shutdown exit console 0 password "" login exit end 	

Output:

Router Security:



```
HOME ROUTER
Physical Config CLI Attributes
IOS Command Line Interface

Router>en
Router#config t
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#hostname homerouter
homerouter(config)#int f0/0
homerouter(config-if)#ip address 172.169.10.1 255.255.255.0
homerouter(config-if)#no shutdown

homerouter(config-if)#
*LINK-S-CHANGED: Interface FastEthernet0/0, changed state to up
*LINEPROTO-S-UPDOWN: Line protocol on Interface FastEthernet0/0, changed state to up

homerouter(config-if)#exit
homerouter(config)#line console 0
homerouter(config-line)#password 123
homerouter(config-line)#login
homerouter(config-line)#exit
homerouter(config)#end
homerouter#
*SYS-S-CONFIG_I: Configured from console by console
homerouter#exit

homerouter con0 is now available

Ctrl+F6 to exit CLI focus
```

```
HOME ROUTER
Physical Config CLI Attributes
IOS Command Line Interface

homerouter con0 is now available

Press RETURN to get started.

User Access Verification
Password:
homerouter#

Ctrl+F6 to exit CLI focus
```

Conclusion	In this experiment we learnt router security.