Page. No.	
01	
	Gupta Bhaskar Sheshnarayan Arati Infrastructure Scennity
	Seat No: 12273147
	Tourshart
	11/01/2021
8.3.	
Ausc.	Shere are many security threats and ortacks that can domage the security of WLAN. Share attacks can be classified inteclogical ortacks and physical attacks.
	Logical attacks: - Attacks on .WEP is a security protocol. based on the energytion ealgorithm called RC4', that aims to provide security to the the WLAW. to the security provided in the wired .LAW. WEP. has many drawback like the usage of small initialization. Vector(V). and Shoort .RC4 energyticen. Key as well as using xor connation but ipher .the Key . with plan tent be generate wipher tent. Share are various. WEP is addressed are:-
	i) MAL address specofing! ~ MAL address are sen in the clear when communication between STAs and AP takes place. Since MAL address are sent in the clear, an attacken com cobtonin the mac of puthwrized. Stat on by sniffing pairwower. esting bacels like ethered.

Oupta Bhaskar Sheshnanayan Arati Infrarstructure Security Seat No: 12273147 Edward 11/01/2021

Dos in a serious threats on beth wired and wireless network. Shis attack aims the clisable the availability of the network and the services, it provides in whats

First is famous attack?
Sins is famous attack in both wired

and wireless cattacks. An illiest STA

intorcepts the communication between

legitmate STAS: and the AP.

Physical Aftocks?-

i) Rogue Access Proints:
In nearmal situations, AP authenticates

STAS to grant access to the WIAN of She AP

Server maked for outh entication. Physical

placement of APs the installation of APs

is another security issue be cause plo

placing APs inappreproately will expose.

it to physical attacks.

ii) AP's · (coverage? - The main difference between · WLANs and wired I fined · LANs us the WLANS vielies on Rochie . · frequency (RF) · signals as a communication

Rege Na. Mupta Bhaskar Sheshnaragan Arati Infrastructure Security Seat No: - 12273147 Bhastean 11/01/2021 The signs breead corst by the AP - con prepagation outside the perimeter of scoom allowing users whoe one nost physically in the building to gain access to the network. A firewall is an information security Ama program is similar to a building s firewall in front it prevents specific the outside world, known as the ontrusted network (eg. the Internet), and the outside word innoun as tousted network. Firewall coolegerization Methods: -She fire processing modes are: i) Rocket filtering ii) Application Garte ways Biii) Circuit Gortoways iv) MAC layer finewals v) typolds.

Rocket Filtering: - If enamine the neader information of dorse packets that

Page. No.

Oupta Bhaskar Sheshnaragan Anati Infrastructure Security Scort No:- 12273147 Bhaskar 11/01/2021

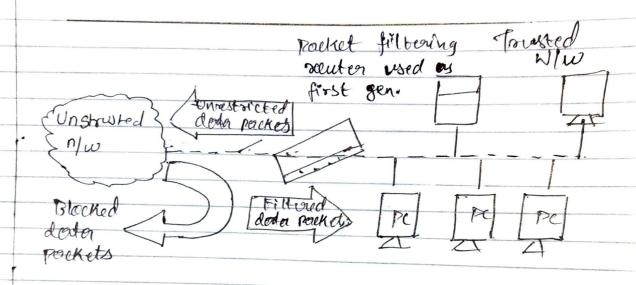


Fig. Pocket Filtering Router

come into ia network. A parellet filtering firewall installed on a Tep/IP based network typically functions at the level out determines whether to drop a packet car forework to the rent network connection.

She væstrictions. mæst commonly implemented in pocket fitering frewalls are based on combination of fallewing c-

Page No. Grepta Bhaskar Sheshnarayan Arati Infrastructure Security Seat No: - 12273147 Bhaskorer 11/01/2021 IP source and destination address Direction c) Transmission Control Protocol. (1CP) The Firewall Rule is ors! -Action Sornices Source Destination HTTP; FTP Address Address SMITP 172.16.n.n 10.10.4.n Deny Any 10,10.10.25 192.168. n. n Allane HTTP 192. 168.0.1 10.10.10.10 FTP Allogie Firewall Rule and Formort