Experiment 12:

To construct a WLAN and make the nodes communicate wirelessly

| | Contra Co | | |
|--------|--|-------|----|
| 1 | WAN WLAN | | - |
| | | | |
| 1 | Aim: To construct a WLAN and make the nodes | - | |
| | ammunicate wirelessly | | |
| 1 | The state of the s | | |
| 1 | Topology: | | |
| - | to food from the same of the s | | , |
| | Parlo lastria e si de | | |
| | FROD | | |
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| | Fal/I | | |
| | Accus point | | - |
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| | | | ļ. |
| | 10.0.0.5 | | |
| | Procedure: | | L |
| - | nocedure! | | 1 |
| -> | | | |
| | Construct the above topology | , 4 | |
| a | ofigure PO and houses O as normally done | | |
| | orgigane Access point 1 - post 1 -> 8510 al. | -9 | |
| 56 | sect WEP & give any lo dit ! | 0 | |
| | 4 Papiop with wideland at | / | 1 |
| -> 80 | orteh of the devices. Donag the existing | 1 | H |
| 1 | WI IAM to The Co | | 1 |
| Da. | -HOST-NM-IAM to the component listed in LHS. | - | 2 |
| Dat | ag WMP300N wiseless Enterface to the empty | 1 | 1 |
| → 90° | Switch on the device. | 10/10 | |
| 01. | The contin tale | 1 | 1 |
| Non | Id have been added. Now configure SSID, WER. | | 1 |
| WE | P key , IP address and gateway to the device | | 1 |
| -> PIN | or from every a galeway to the device | | 1 |
| | of from every device to every other device. | | |
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| | - F | classmate | |
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| ice of | | Date | |
| =0 | 150 | Page | |
| | | | |
| | | PING DUTPOT: | |
| - | | | |
| les | - | Packet Tracer PC Command line | |
| | | all most on a later with most processing | |
| | | Pc> ping 10.0.0.3 | |
| | | | |
| | | Pinging 10.0.0.3 with 32 bytes of data: | -57 |
| | | Request timed out | |
| | | Reply from 10.0.0.3 : bytes = 32 time = Ome TTL=127 | |
| | | Reply from 10.0.0.3 . Lytes = 32 time = 0 mg TTL=127 | |
| | | Reply from 10.0.0.3: bytes = 32 time=2ms TTL=127 | |
| 1.61 | | Repry from 1000 signs | |
| 17/1 | | Pins statistics for 10.0.0.3 Packets: Sent = 4, Received = 3, Lost = 1 (>5% loss). | |
| 1 | | fackets: Sent = 4 rection = 1, 11 | |
| | | Approximate round trip times in millise conds: | |
| 1 | | minimum = Oms, Maximum= 1 ms, Average = Oms. | |
| - | | | |
| | | | |
| - | | Observation: | |
| - | | to the total | |
| - | , -> | A WLAN is a group of oxlocated devices that | |
| | | form a pelwork based on gradio bransmissions. | |
| N. | _0 | Ento sent in packets contain (agers with Cabels & | |
| 1890 | 9 | Instructions, MAC address to endpoints for routing. | |
| | 6 | The access point is the base station that serves | |
| | | as a hub to which other devices connect. | |
| | , | with one access point we can connect to | |
| 15 | | multiple devices wigulersly & transmit data. | |
| 4 | (2)0 | munique services | |
| | (b) | | 1 |
| e | U | 1.5 | |
| 1E ? | N. | 18/2 | |
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Topology and output screenshots:







