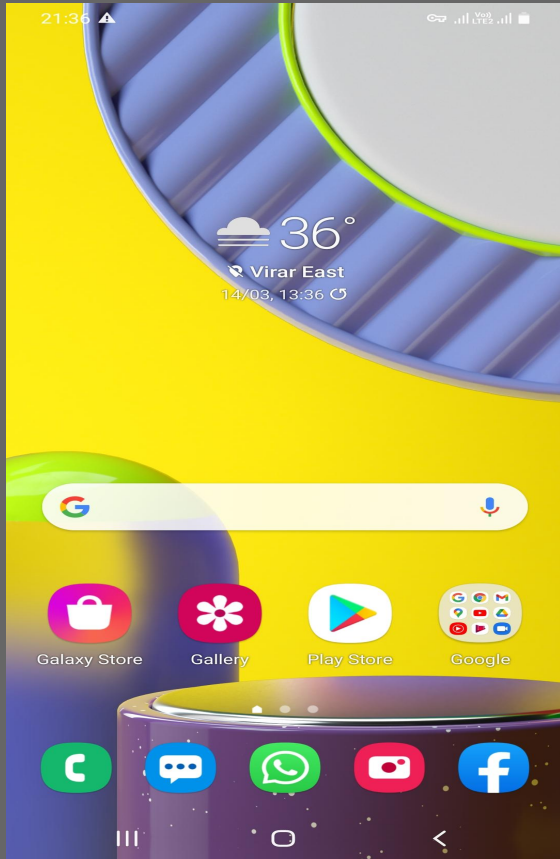# WIRELESS ACCESS POINT (WAP)

A Wireless Access Point (WAP) is a hardwired source of providing wireless internet connectivity to mobile devices that possess the capacity of connecting to an access point monitored by standard network protocols. A wireless fidelity established amongst two devices - one the access point and the other receiver smartphone that forms the basic architecture of Wi-Fi.
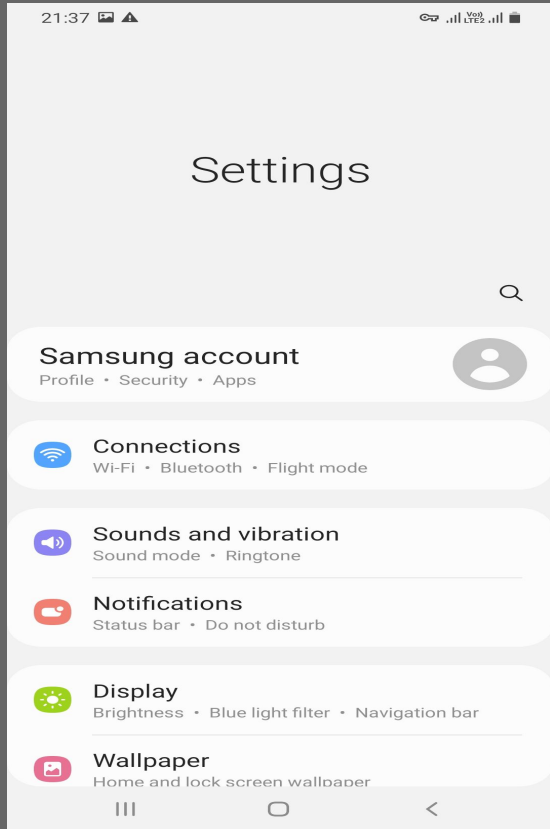
There are some simple steps that can help us connect our smartphones to a standard network WAP router. Let's assume, a standard Android smartphone and a basic Netgear N150 router as an example to outline the walkthrough.
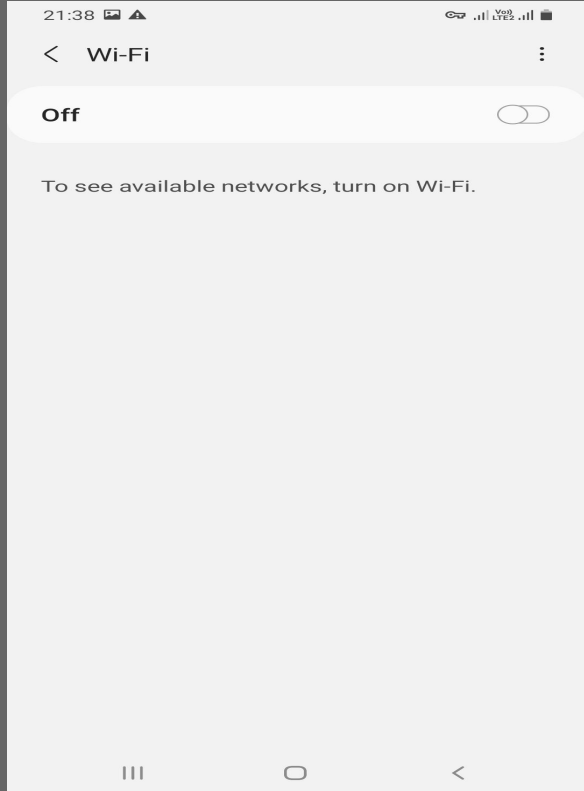
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Step 1: Swipe on the touchscreen to unlock your smartphone, tap on the home button, and then press the **Apps** sections and navigate to **Settings**.
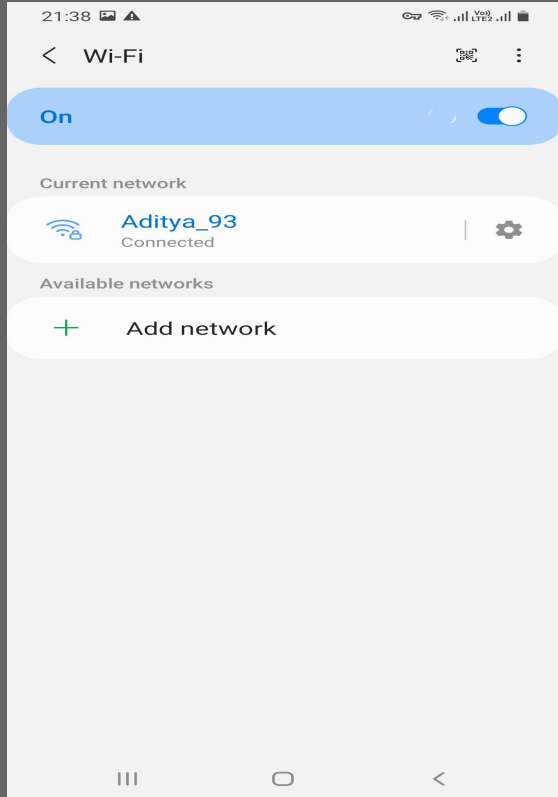
Step 2: Open **Settings** and find the **Connections** tab.

Step 3: Navigate to the **Wi-Fi** section and turn the wifi toggle **'on'**

Step 4: Press on Wi-Fi to scan for available networks. You may have to wait for a moment until your mobile phone detects and lists all the networks in range.

If you do not spot the desired or known WAP network select **'Scan'** to rescan the available active networks around you.

<u>Step 5:</u> Select the network name that you wish to connect to.

- If the network is not secure, the smartphone will be connected to the network within a 3-5 second wait time indicated by appearing and disappearing of a spinning gear followed by a checkmark against the network name (depending upon the network bandwidth and smartphone processing capacity)

- If the network is secure, a padlock symbol against the network name would indicate that. Tap on the network to connect, and it will result in a network **password** prompt. Enter the secure password provided by the ISP for the network and press **'Connect'**.

- <u>Step 6:</u> A check mark against the network name would indicate the mobile phone being connected to the network. Attempt to establish internet connectivity by opening any website on a web browser by navigating to the **Apps** section. If the desired website loads, we can conclude that the mobile phone is successfully connected to a WAP.