**Identify and Analyze a Device**

**IoT Device: Nokia G21 Smartphone**

**Source:** <https://www.91mobiles.com/nokia-g21-128gb-price-in-india>

**Non-IoT Device: Nokia 3310 phone**

**Source:** <https://en.wikipedia.org/wiki/Nokia_3310>

**Features of Nokia 3310:**

* Lunched Date: September 1, 2000.
* The 3310 was popular for SMS text messaging.
* The Nokia 3310 runs on Nokia’s proprietary Series 20 software.
* It contained many utilities, such as calculator, Nokia network monitor, stop watch and a remainder function. It has four games: Paris II, Space Impact Bantumi, and the hugely popular Snake II.

**Features of Nokia G21:**

* Launched Date: April 26, 2022(Official).
* Processor: Unisoc T606.
* OS: Android 11 64bits.
* RAM: 6GB.
* Internal Memory: 64GB/128GB.
* Expandable Memory: Up to 512 GB.
* Connectivity technologies: Bluetooth, USB, Dual Sim (4GNetwork), WIFI, Mobile hotspot, GPS.
* Special Features: Rear Camera (50 MP + 2 MP + 2MP), Face Camera (8 MP), LED Flash.
* Video Recording: 1920x1080 @ 30 fps.
* Battery Capacity: 5050 mAh (Li-Polymer), Non-Removable.
* Multimedia: FM Radio, Loudspeaker, Audio Jack.
* Sensors: Fingerprint Sensor, Light Sensor, Proximity Sensor, Accelerometer.

**Improved Features:**

* They included camera, Bluetooth, GPS etc.
* Many Sensors were included in Nokia G21.
* The smartphone supported multi-tasking, browse the web, listen music, play videos, livestream from any part of world connected to internet, paly games, and do various activities over internet which Nokia 3310 couldn’t.

**Possible Privacy issues in a Smartphone:**

* Geotracking, Wi-fi tracking
* Malicious apps
* Risk ratio is less in Feature phones compare to Smartphones.