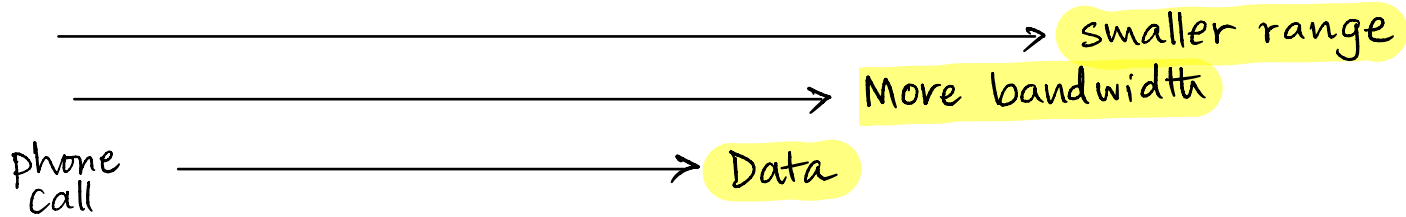


# ⑦ Generations of cellular technology : 1G/2G/3G/4G/5G

Features	1G Analog	2G Dig.	3G	4G MIMO	5G
Start/Development	1970/1984	1980/1999	1990/2002	2000/2010	2010/2015
Technology	AMPS, NMT, TACS	GSM	WCDMA	LTE, WiMax	MIMO, mm Waves
Frequency	30 KHz	1.8 Ghz	1.6 - 2 GHz	2 - 8 GHz	3 - 30 Ghz
Bandwidth	2 kbps	14.4 - 64 kbps	2 Mbps	2000 Mbps to 1 Gbps	1 Gbps and higher
Access System	FDMA	TDMA/CDMA	CDMA	CDMA	OFDM/BDMA



## Next generation : 5G + IoT

↳ Every medicine bottle has a tag ... connected to 5G  
Possible to track the medicine, Drones, Whales ...  
↳ Every object starts getting connected. WOW!!