5G is the fifth generation of wireless technology, offering significant improvements over 4G, including much faster data speeds, lower latency (reduced delay), and greater capacity for more devices. These enhanced capabilities enable faster downloads, smoother streaming, and more responsive applications like virtual reality and remote control systems. Key technologies like network slicing also allow networks to be customized for specific needs, supporting everything from massive numbers of sensors in the Internet of Things (IoT) to mission-critical industrial uses.