Current IT Trends

Old IT Environment	New IT Trend
Designated corporate devices	**BYOD** – Bring Your Own Device (82% of companies expected to allow by end of 2019)
Designated business hours	Any hours on Internet (**24/7 access**)
Office phone and office meetings	**Smartphones, tablets, webinars, and texting – virtual communication and meetings**
Desktop and Laptop computers	**Mobile devices** (tablets and smartphones)
Office Ethernet network cabling	**Wireless connectivity – location flexibility**
Email communication	**Social media** communication (Twitter, Facebook, etc.) and **phone texting**
IT Tech Support Help Desk	User Self-Help (**web site FAQs**, etc.)
Simple password login	**Two-factor** authentication, **biometric** recognition
Network computers and printers	**Internet of Things** – network non-computer devices
Local datacenter and software apps	**Cloud apps** (Web-based software) and **Virtualization**
Multiple related small databases	**Big Data Analytics** (data mining on transaction-based data – credit card, RFID inventory)
Robotics and Barcodes	**Drones** (wireless remote controlled devices) and **RFIDs**
Manually updating information	**Artificial Intelligence with machine learning**
Paper/coin money payment methods	**Electronic payment systems (ApplePay, PayPal), Cryptocurrencies such as BitCoin**
Paper printing (Lasers, Inkjets)	**Paperless** printing, **3-D printers**
Local device storage (hard drive, jump drive)	**Cloud storage** (OneDrive, Google) – anywhere access