

Business Analytics



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Test Solutions

- There are various factors that can explain why IoT has a so severe importance in potential new businesses and transformation of legacy models. Match the next relations to identify these factors.

Cost of sensors	In last 10 years has gone from 1,30\$ to 0,6\$ on average
Cost of Bandwidth	In last 10 years has reduced 40 times on average
Cost of processing	In last 10 years has reduced 60 times on average
Smartphones	Are now the personal gateway to IoT
Wi Fi	Connectivity is now available for free or at a very low cost
Big Data	IoT is by definition generating voluminous amount of unstructured data and we can analyse it now
IPv6	Allows for an almost limitless amount of connected devices

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- Sensors + Connectivity + People + Processes are creating new types of applications and services due to interactions between them. Match correct examples

Save resources and money on your heating bills by adapting to your usage patterns and turning the temperature down when you're away from home	Smart Thermostats
Tracked and rented using a smartphone, you can handle billing, parking and insurance automatically too	Connected cars
Continuously capture heart rate patterns, activity levels, calorie expenditure and skin temperature on your wrist 24/7	Activity trackers
Remotely turn any device or appliance on or off. Track a device's energy usage and receive personalized notifications from your smartphone	Smart outlets
Using embedded street sensors, users can identify real-time availability of parking spaces on their phone. City officials can manage price their resources based on actual use	Parking sensors

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- The Internet of Things connects devices onto the network. Match the correct relation between connected environments and applications of IoT

Connected Homes	Smart Thermostats
Connected cars	Fleet Management
Industrial Internet	Robotics
Connected Cities	Smart Parking Meters

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- Possible benefits of application of IoT in industry can be
 - A. Have immediate control. Make changes to complex systems at the touch of a button
 - B. Boosting productivity. Sensors can help detect arising problems and avoid unplanned downtime
 - C. Isolating issues. Detecting problem areas earlier allows for better use of personnel.
 - D. Saving costs. Increase efficiency by using accurate and up to date data
 - E. All other answer are correct.**

Thank You



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