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# 7 Advanced Technologies that Prepare Businesses **for the Future**

As we currently see, technology is fast developing, which means that humanity's over-development is rapid. Each business process has the technology available so that the company may develop fast and profitably. **Business is also expanding quickly because of the growth in technology.**

**Here is the list of 7 advanced technologies that prepare businesses for the future:**

## 1. Artificial Intelligence (AI) and Machine Learning (ML)

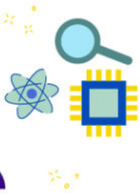
- Artificial intelligence is a technology that takes human behavior into account and functions appropriately.
- The principal advantage of AI is that the findings are based on an individual's research and online behaviors.
- AI is employed in product optimization, inventory planning, logistics, etc.
- Machine learning is an AI business and is utilized in manufacturing for skilled product development.


## 2. Robotic Process Automation (RPA)

- RPA uses software to automate the business processes such as interpreting applications and developing business logic and also developing.
- Human activities gain speed and it is easy to deploy the project to estimate the project and identify the data according to the requirements.
- RPA executes the workflows due to which the business profits increases and productivity also increases the business profits of the industries.
- The mundane task is also removed and the working days are also eliminated.

## 3. Edge Computing

- Major application areas for this technology are AWS (Amazon Web Services), Microsoft Azure, and Google Cloud Platform.
- It is a distributed system with decentralized processing. Mobile computing and IoT can also be implemented.
- The data is processed by itself and not sent to the servers or data centers.
- As there is a distributed computing framework, it is much related to the data sources such as IoT devices or local edge servers.
- It can deliver strong business benefits, including faster growth, and the response time is also increased.



## 4. Quantum Computing

- Quantum computing uses quantum phenomena such as superposition and quantum entanglement. This is a kind of computation.
- Applications for Quantum Computing
  - Development of medicines: In order to produce an effective medication, chemists must evaluate how molecules, proteins, and chemicals interact in quantum computing.
  - Aeronautics: Quantum computers help to monitor traffic both aerial and ground-based.
- Any problem is tackled by quantum computers, as it addresses the overall issue rather than addressing it bit by little, as we do with ordinary computers presently.

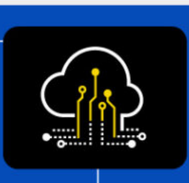
## 5. Virtual Reality and Augmented Reality

- Virtual reality (VR) immerses people in the surroundings and enriches the experience through increased realism.
- Enhanced reality (AR) often adds digital components to a real-time perspective. Examples: Snapchat and Pokemon Go.
- VR eliminates the physical world, involves full immersion.
- The connection between virtual reality and increased reality is based on the equipment and the experiences themselves:
  - AR operates in a real-world environment whereas VR is entirely virtual.
  - VR needs a headset, while the smartphone makes AR accessible.
  - In the virtual as well as the actual world, AR improves reality whereas VR improves just fictitious reality.

## 6. Blockchain

- Blockchain gives much security. It is data that only you can add, not use, or alter.
- Cryptocurrency and bitcoin go well beyond blockchain applications.
- It has the potential to promote greater openness and justice while saving organizations time and money.
- Business is information-based. The quicker and the more precise it is, the better.
- Blockchain is perfect for delivery since it delivers instantaneous, shareable, and fully transparent information that can only be accessed by permitted network members.
- Applications of blockchain
  - Money Transfer and Payment Processing
  - Supply Chains Monitoring
  - Digital voting

## 7. Internet of Things (IoT)



- Many "things" are increasingly being constructed with WiFi connection, allowing them to connect to the Internet—as well as to one other.
- IoT refers to an internet-related object system, capable of capturing and transferring data through a wireless network without human involvement. The potential of individuals or businesses is unlimited.
- The Internet of Things (IoT) transforms our daily lives and work quickly. The gathering and analysis of sensor technologies and real-time data can track nearly every element of what we do.
- IoT data can be used to streamline business processes, improve efficiency, improve our safety and health, automate tasks and help us examine our connections, systems, and environment in a more detailed manner.

To find out how you can leverage these technologies in your business, get in touch with us on **omnepresent.com**

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