



# What is the Impact of New Technology in the Workplace?

Technology has continuously transformed businesses in one way or another. From how we hire employees to how operations are performed, technological evolutions provide unmatched workplace benefits.

Many organizations have shifted to hybrid working setups, resulting in reduced cost and enhanced efficiency. Undoubtedly, this transformation is also providing fantastic advantages to the employees.

In this post, we will help you understand some modern technologies and their impact on the workplace. But before we dive into our list, let's run through a few standout innovative technologies that have become commonplace in offices over the past several years.

## Impact of Modern Technological Developments in the Workplace

A long pandemic break has highlighted the benefits of hybrid working for businesses as well as employees. It has become a permanent transformation for many organizations and led to various workplace innovations.

Now let's take a look at some of the more recent technological developments and their influence on the workplace.

### Clocking In with an ID Badge

[Employee time tracking with a security ID badge](#) is gaining popularity in the new world of tech. This modern technology prevents employees from asking their co-workers to punch in their times when they are not physically there. It increases transparency and enables organizations to increase productivity.



Each ID badge is equipped with a smart chip. The card reader reads information from the chip and records data.

The two common types of ID badges used for time clocking are listed below:

**Proximity Card.** Also known as prox cards, these [RFID cards](#) are contactless and do not require insertion in card readers. Instead, employees just need to bring them close to the card reader, and they will transmit the data, eliminating the need for physical touch between the card and the reader.

**Magnetic Stripe Cards.** Employees need to swipe these cards to share information. The worker with the card has to stop, insert the card, and wait for it to be read. Those seconds build up to minutes, which become lost hours, days, and even weeks over time. Another disadvantage of these cards is that they get demagnetized over time, and the continuous friction of cards being swiped can also cause the readers to wear out faster.

If we compare the above two, prox cards are a more reliable and time-saving solution. When a large number of employees come for a shift at the same time, there may be bottlenecks as employees wait in line to punch in. Workers can get clocked in faster and more efficiently when they use a prox card ID badge as a timekeeping device. They don't have to manually enter digits; in light of Covid concerns, these contactless cards are safer and in demand.

### **Considerations Before Implementing ID Badge Time Clocking**

If you are thinking of implementing [employee ID badges for timekeeping](#), don't forget to create a solid plan for employees who accidentally forget or lose their ID badges. Managers can issue temporary cards that have to be returned at the day end, or they can perhaps clock in the employee themselves.

### **IoT Powered Technology**



The Internet of Things (IoT) refers to the connectivity of 'things' to the internet. This allows various devices to communicate with each other and provide immense ease and automation for users. With [over 30 billion devices](#) expected to connect to each other by 2025, IoT is going to be a game changer in various applications.

For instance, consider smart printers. You can send a command to your printer using your phone or laptop from anywhere with no need for messy cable connections! Furthermore, they can monitor ink levels and notify you well in advance to avoid any empty cartridge emergencies.

### **How IoT is Bringing Change in Offices?**

Modern-day firms represent a greater use of IoT. Here is how it's contributing to several workspaces:

- IoT helps automate several areas, making employees more efficient. It can send auto notifications to managers when stock is about to run out. More importantly, it can help [with hiring employees](#) and increasing workplace safety.
- Modern organizations are creating smart offices. This can, for instance, involve utilizing **smart desks** to help employees become [more productive and healthier](#). These desks use technology that can prompt an employee to stand up if they have been sitting for too long. They can also [monitor liquid intake](#) and notify if someone isn't getting enough water. Smart desks also act as personal assistants and are capable of giving meeting reminders.
- IoT-connected devices can now control office security systems and the internal office temperature through apps.

### **Smart Lockers**

Different employee teams may visit the office premises at various times as a result of the hybrid working methods. Because of this, there aren't any fixed cubicles as in traditional on-site working practices.



This new work environment raises many questions related to the safe transfer of documentation and keeping of personal belongings. Thankfully, smart locking systems resolve the concern. Employees use a barcode, employee ID card, or an app to access the locker. Once a package or document is placed in the locker, the intended recipient is automatically notified.

Smart lockers can also be used by HR to privately give awards to staff. Also, If a coworker wants to give a document to a colleague who isn't available, these lockers serve the purpose.

Moreover, [smart lockers are contactless](#) and help employees to secure items without staff assistance. They also eliminate the need for a shared touchscreen as users can open the locker using a mobile app.

## **Touch-Free and Voice-Enabled Tech**

After homes, voice assistants like Cortana and Alexa are now making their place in offices. Managers are using these digital assistants to manage their calendars, set alarms and reminders, and quickly access information.

This modern technology in the workplace helps staff in going through previous data before attending meetings. They can simply connect to an app and get a brief review within minutes.

Voice-enabled tech also helps employees review emails and client records. Some companies use voice assistants to resolve minor technical issues rather than calling IT support.

## **Tech for Improving Employee Health**



Since individuals with physical fitness and emotional well-being tend to have higher productivity, several modern-day organizations are investing in technology to enhance employee health.

The use of treadmill desks is increasing in the workplace. Employees who sit for long hours develop back, and neck pain; these desks keep them active while [improving productivity](#). Likewise, fitness trackers help monitor heart rate and improve sleep.

Virtual wellness programs are also gaining popularity. Instead of asking the employees to avail the gym service, companies can now enroll workers in virtual programs. They can now practice meditation, yoga, and several other exercises from the comfort of their homes.

## **Cloud Computing**

Cloud computing is an innovative technology that has become widespread in the recent past. It allows employee data and applications to be stored in "the cloud" as opposed to on their computer or server. Moreover, the system keeps the data secure.

Thanks to cloud computing, employees can set up a virtual office effectively. They have the freedom to connect to the organization at any time and from any location. For instance, they can access data when traveling to and from work, at home, or while on vacation.

## **Implement Modern Technology for a Better Tomorrow**

Undoubtedly, technological advancements are bringing commendable changes in working methodologies. Whether it's employee efficiency or working flexibility, these advancements have provided us with several benefits in every aspect.

Whether you are looking to utilize [employee ID Cards](#) for time clocking or purchase smart desks for your workforce, it's important to do your homework and choose the best vendor for your needs.