YOTTAASYS

Understanding the Challenges of Managing Remote Employees

A lot of things have changed since the COVID-19 pandemic struck the world. In addition to personal sickness and loss of life, businesses across the globe have seen drastic changes in the way they operate. Part of that transition was a shift from office employees, to work-from-home employees.

We've seen rapid development and installation of new technologies to help employees work remotely. Almost all technology-based companies have switched to this hybrid workplace operation.

Employee compliance and data security are two areas of organizational concern when dealing with a remote workforce. For one, a company must mitigate the risk of disclosure of sensitive data by external employees. Additionally, employee productivity needs to be maintained and is difficult to monitor.

The AI-powered Facial Recognition Technology by Yottaasys is a comprehensive solution for both of these issues. Our technology helps detect whether the authorized user is the only person accessing sensitive data on their laptop and monitors employee attendance and attention during work hours.

What is Facial Recognition Software?

Facial Recognition Software is an AI-powered solution that helps monitor employee attendance and attention in real time with high precision (98% accuracy). It also detects unauthorized users and forbidden objects during work hours like cell phones, and alerts the employee's supervisor of a breach.

Unlike many surveillance systems, the critical feature of biometric authentication is that this solution applies to existing hardware, such as laptop webcams. This makes Facial Recognition Technology a highly cost-effective solution.

Employee Compliance:
- **User validation**

In a remote work environment, it is recommended to validate authorized employees. With Facial Recognition Software, the user is identified and validated and prevents the usage of proxy users for the employee.
- **Multiple user detection**

Facial Identification helps identify multiple people's presence and prevents capturing confidential or sensitive informatio by unauthorized users.
- **Employee presence**

AI-powered Facial Recognition Software tracks employee efficiency. The software helps monitor the presence of the employee during the work period. Aadditionally, the attention and focus of the employee can be evaluated continuously by capturing facial expressions and attention.

Data Security
- **Object detection**

Managing data security is the biggest challenge for many organizations with a remote workplace model. Any malicious user poses a risk to an organization's sensitive data. Facial Recognition Software ensures a secure work environment without compromising data protection.

Any devices like cameras, smartphones, etc., brought closer to the laptop can be detected and the employee's supervisor alerted. It ensures the security of any sensitive data is not compromised.

Benefits of Facial Recognition Technology
- AI-powered software provides the results quickly
- High accuracy levels (98%)
- Highly flexible (software-based)
- Time-saving
- Captures the employee's attention and emotions
- Improves the monitoring techniques for data privacy
- Access control management
- Ensures data compliance
- Tracking of employee efficiency

Facial Recognition Software has a broad spectrum of applications and is not limited to employee compliance and data security. It can also solve various applications in multiple industries.

Applications :
- Contactless entry access control
- Process optimization through defect detection in a manufacturing environment
- Attention measurement
- Eye gaze tracking for ad testing