Biometric Technology Had Open New Frontiers by Ariel Linford

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Biometric Technology is the name of a high tech world for an old concept; how we go on recognizing one another. Biometric technology is another name of authentication process which is normally used to identify a person using multiple physical characteristics or behavioral traits for human recognition. Examples of biometric includes iris and retina scanning, digitized fingerprints, hand geometry and speaker recognition.

Biometric system offers you a complete advantage over current security practices. The main and bigger advantage of using these systems is that these systems never lost or stolen. Biometric authentication offers advantages over current security practices. There is no need to remember passwords and PIN numbers. Just because of their security, speed, efficiency and convenience, biometric systems became a standard for quality security solutions. Biometric technology is available in multiple shapes and gadgets. Some of them are given below:

Facial Recognition:

Facial Recognition is a system or a device that allows every individual, small business or a large organization to keep their premises safe and secured. This system is used for the recognition or to identify a person by comparing face structure, shape and proportion of your face which includes eyes, nose, mouth and jaw, upper outlines of the eyes sockets, slide of the mouth, placemen and location for your nose and eyes and the area surrounding the check bones.

A facial recognition system saves pictures and images at different angles of a person when he/she comes in front of the camera. When a person once again put his face in front of the face recognition system, the camera of face recognition system capture the face and compare with the picture that is already stored in the data base. If the picture matches to the picture that is already stored in the data base, this system allows you to go otherwise it shows an error or warning. Facial recognition, when used in combination with another biometric method, can improve verification and identification results dramatically.

IP Video Surveillance System

Video Surveillance systems have been around since the multiple law enforcement agencies started using closed circuit cameras in the early 1960s. Today, the same principle is applied, but what goes on behind the camera is a far cry from a security guard watching a monitor. The latest and modern technology has made it easier to setup and maintain surveillance systems.

Also, there are so many law enforcement agencies are already using basic surveillance systems. There are multiple types and multiple ranges of surveillance systems available. Among all, IP video surveillance system is one of the best and widely used surveillance systems throughout the world. IP video surveillance system allows you to control your camera from anywhere you want. So, it is suitable for large place like shopping malls, stadiums etc for better security.

License Plate Recognition System:

License Plate Recognition Systems are also another form of surveillance system that is widely used to read or recognize license plates on motor vehicles. LPR camera systems can be mounted on police cars or in fixed locations. License plate recognition systems are also just like face recognition systems but these are much faster than any facial detector or recognition system.

People Counting System:

People counting system is widely used in many shopping malls, railway stations, stadiums etc. This system helps us to get an accurate counting of the people. This counting system gives us an accurate figure of how many people had passed through. By using this technology, you can easily improve your business or productivity in a simple way.

Here are some parts of a Biometric system that help you to keep your office, home or any other premises safe and secured.

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