***DOMAIN:* Image processing**

***PROJECT TITLE:* Face recognition attendance system**

The Face Recognition Attendance System is a technology-based solution that uses machine learning algorithms to accurately identify individuals and record their attendance. This system utilizes facial recognition software to scan and match faces with pre-existing data to confirm the identity of the attendee. This process eliminates the need for traditional methods such as manual sign-ins and signature verification, resulting in a more efficient and secure system.

Convolutional Neural Networks (CNNs) are a type of deep learning neural network architecture. The key feature of a CNN is the use of convolutional layers, where each neuron in a layer is connected to a small region of the previous layer. This allows the network to learn a hierarchy of increasingly complex features, starting from simple edge detection, to more abstract shapes.

The system can be integrated with various platforms, such as time and attendance software, to provide real-time updates on attendance records. With its ability to accurately identify individuals and automate the attendance process.

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