

Portal will facilitate admin users to access attendance data and generate report in tabular form and charts. Employee data will be accessed by admin user for further detailing and modification. Edit staff details, De-registration, Enable/Disable staff, modification in credentials of edge devices, reporting of and spoofing attack records are main features provided in gui portal. Staff can also log in to this portal and view their punch entries using their user credentials .



C-DOT INTELLIGENT ATTENDANCE SYSTEM

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CIAS

C-DOT Intelligent Attendance System

SALIENT FEATURES

- ✓ Staff registration module controlled by administrator.
- ✓ Human face detection, Facial recognition and verification system.
- ✓ Low cost edge device.
- ✓ Low shot recognition.
- ✓ Directions for user to adjust face in ROI.
- ✓ Face spoofing detection and reporting.
- ✓ Attendance display with time and staff details.
- ✓ In-built auto on/off LED light for better face recognition in dark.
- ✓ In-built relay for integrating with electronic doors for access control based on face recognition.
- ✓ Integration with IOT platform based on OneM2M standard.
- ✓ Easy Integration with ERP system.
- ✓ Role based GUI portal for easy management of staff data.
- ✓ Unauthorized attempts recording and reporting through admin portal.



PRODUCT OVERVIEW

CIAS uses AI/ ML technology to identify the human face, interpret the collected information and finally recognise the staff. The staff details along with punch record time are made available to the staff and the administrator in real time via a graphical user interface. A few steps of staff registration will be necessary to initiate process of punching attendance. This state of art product is ready for commercial deployment and further can be customized as per client's requirements.

USE CASES

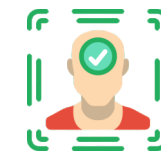
- ✓ Useful for any govt/private sector, healthcare sector, manufacturing sector, education sector or any other place where user's attendance needs to be recorded.
- ✓ Manages employees without approach of direct contact.
- ✓ Can easily be integrated with ERP and Payroll system.
- ✓ Controls access to sensitive areas using relay and face recognition technology.
- ✓ Can acts as an alert system and show notification.



Automatic Alert message



ROI Area



Punched in



Face spoofing detected

Notifications while punching attendance

oneM2M STANDARD COMPLIANT

CIAS system is integrated with oneM2M standard based IOT devices and can perform without any manual intervention. An event notification message will be sufficient to trigger an activity. e.g in case of fire event CIAS system will trigger building gates to open for evacuation. The doors will get automatically closed once normal event is received.

