Engineering Smart Secure Solutions

Galilee Intelligent Logistics Technologies Private Limited (GILT) is a full service technology and design firm based in Bangalore, India. Our company offers engineering smart secure solutions. Including, RFID, IoT, Artificial Intelligence and Data Analysis innovative cutting edge solutions. These solutions have been designed, engineered and produced by our Chief level executive team in a consortium of two companies in Bangalore – the Silicon Valley of India

GILT FaceAI-PRO Offers Solutions for Multiple Platforms

1. GILT FaceAI-PRO Educational Institutions

This is a high-performance, scalable, ready-to-deploy Facial Recognition & Analytics solution. FaceAI-PRO is an Artificial Intelligence, Deep Learning based facial recognition and video analytics software that has the capability to work on multiple video feeds simultaneously from various cameras. It can detect faces with accuracy higher than 99%, track them with an algorithm that is compatible with every IP camera, record entry and exit timings in real time with both indoor and outdoor environments. The software can also generate alarms, reports in real time and needs minimal training to operate. **GILT FaceAI-PRO** can also detect motion, camera tampering and identify the age and gender of those in the simultaneous feed and keep a count of them.

Features

- Highly accurate 99.8% accuracy
- Detects and Recognises from 25 ft
- Can be used with any IP camera
- Can be integrated with alerts based on Temperature Monitoring and Mask Detection
- Alarms and reports in real time
- Detects age and gender of those in the feed. Can also detect motion, camera tampering
- Very cost effective
- Centralized monitoring
- Data can be stored centrally on cloud or server

How does this work?

- Contact free, Ideal Solution for educational institutions.
- Student and Staff attendance at entrance in safe and contact free environment with scanning for elevated body temperature.
- Can be used at single campus or multiple facilities.
- Automated Attendance of students and staff with date and time stamp.
- Classroom attendance can also be automatic with date, time stamp and name of student or faculty.

2.   Facial Recognition Solution for Pro Screening Entrance

GILT Facia-Pro: Face Recognition and Authentication Solution with a high degree of accuracy for Attendance Monitoring, Visitor Tracking, Parking Management, People Counting, Crowd Analytics, Emotion Analytics.   Ensuring organization security for all organizations. Today, organizations worldwide are working to ensure no contact with public surfaces. Most organizations are working to replace biometric fingerprint sensors with Face Recognition and Authenticated systems.

GILT Facia-Pro is a high performance, scalable, ready to deploy solution for Face Detection, Recognition and Authentication. Business effective and with quick ROI, the solution can be used either at a single location, or across multiple facilities.

Key Features:

- Very effective business solution for accurate, contact free attendance capturing, visitor tracking, and enhancing security by alerting in case of unauthorized guests.
- 99.5%+ accuracy in recognition and authentication. Face Detection, Recognition and Authentication
- Face Tracking from a distance of at least 25 ft
- Compatible with any IP camera
- Can be integrated with temperature detection, mask detection, social distancing identification.
- Generates alarms, reports in real time. Detects motion, camera tampering.
- Identification of age and gender of those in the simultaneous feed and keep a count of them.
- Fully customizable reports as per customer required formats along with dashboard as required
- Easy scalability – implementation at multiple locations with centralized database and reports, dashboards.

●   Can be integrated with Access Control Systems like Flap Barrier, turnstile, boom barrier.

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How does it work?

• Real Time Face Detection, Recognition, Authentication and Tracking
• Age and Gender Detection
• Blacklist Person Identification
• Watch list Management
• Crowd Analytics

3. Facial Recognition Solution in Retail, Healthcare, Public Domain:

Retail

In the Retail segment **GILT Facia-Pro** has high value for the Retail industry with a range of features that can provide analytics on foot fall/headcount, dwell time, gender and age analysis, emotional quotient analysis, people tracking/ person density estimation, repetitive customer analytics, Feedback estimation, crowd detection

Healthcare

In the healthcare sector **GILT Facia-Pro** can be used for contactless patient recognition and authentication, be attached to Hospital Management systems, track the patient across different parts of the hospital in addition to attendance of employees and guest management. The solution also helps in detection of temperature, detection of adherence to mask wearing, social distancing.

Police Domain Uses

Helps in detection of missing kids, senior citizens, mentally challenged individuals, people afflicted with memory loss and criminals – recognition/authentication and alerting, crowd analytics. The solution can help in parking management, illegal parking, number plate recognition, watchlist

How does it work?

Entrance Access Solution: Initially the image of an employee is captured either from an ID card or an actual photograph is taken. This image is connected in the database to the name, designation, ID number, department, and other such details. At the entrance of a campus, **GILT Facia-Pro** can

be housed in a sleek kiosk. The kiosk is also positioned with a touch free sanitiser dispenser **GILT Safe**.

What happens when a customer arrives?

When an employee or guests is arriving, the **GILT Facia-Pro** detects the person, recognizes and authenticates him/her. It also monitors temperature of the person and if he/she is wearing a

mask is detected and displayed on the display of the kiosk. The kiosk will ask a standard set of questions to which the employee has to provide answers. This data is stored as a voice file. The image of the employee will be captured by a camera positioned on the kiosk. The answers provided are compared to the parameters set and the employee is allowed or denied access.

Once the employee is allowed access, he/she can place their hands below the nozzle spout of **GILT Safe** hand sanitiser dispenser, which will detect the placing of hands and dispense the sanitizer. The flow of sanitiser will be for 2-3 seconds. This process is touch free and the procedure can be followed while exiting the premises as well.

4. SMART KIOSK with FACE AI PRO:

A kiosk that can dispense face masks can be positioned next to the device. This kiosk is integrated with credit card as well as currency payment method. If an employee or visitor needs a face mask, he/she can swipe their card or feed the required currency amount into the kiosk and on registration of payment acceptance.
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- Smart Check out Kiosk: Touch free self-use kiosk, WIFI enabled, used for product promotion and with check in and checks out of procured items, integrated with credit card as well as cash payment systems. A useful product for a customer with in store navigation - helps in locating particular products, advanced search options in terms of product and variant availability, customer specific notifications regarding offers (if the customer is pre-registered), integrated with barcode and RFID scanners, provision for cash or debit or credit card payment, payment receipt generation.

- Smart Shelves: Enables identification analysis of inventory usage – for example, how many times an item has been taken for viewing, how many remained on the shelf without viewing, how many were sold after how many views. The **Smart Shelf** solution will also include electronic labelling which will include centralized changing of prices as required, RFID integrated shelf analytics. The solution is integrated with the Smart Store Application

and can also be integrated through data migration with legacy corporate store applications.

- Smart Trolley: RFID reader enabled trolley with a Wi-Fi integrated Point of Sale Tablet integrated with it. This enables self-checkout and payment from the trolley itself without having to stand in line/queue. A regular customer can be recognized by the trolley and pull out previous shopping lists and also indicate "best deal" products to customers on their mobiles

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- Smart Gates: A security tool powered by RFID for better security at the exit gates by creating an RFID Portal. This solution enables detection of goods being taken out without payment. The Smart gates can be integrated with a camera that can be triggered to take a photograph. The Portal can be concealed by using it as an advertising stand.

Please contact us on Sales@GiltTech.in / 080-43715630

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