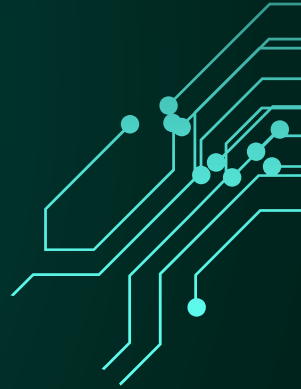
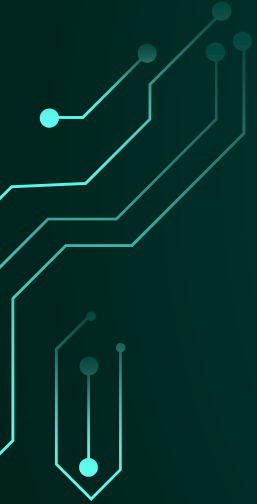




PULSE

Personnel and Ubiquitous Logistics Surveillance Engine

How much does inefficiency cost your shopping mall?



01

Project Vision

02

Key Features

03

Operation

04

Key Technologies

05

Competitive
Advantages

06

Future Innovations

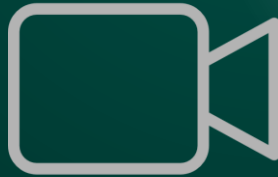
How can an AI-based personnel
monitoring system optimize efficiency
and security in shopping malls while
respecting ethics and privacy?



01

Project Vision

Project Vision



02

Key Features

This system revolutionizes personnel management through advanced technologies.

a. Intelligent Personnel Tracking

- Identifies employees through facial recognition, uniform detection, or identification badges.
- Automatically records attendance without requiring manual check-in.
- Monitor the assigned areas to ensure that employees stay within the designated perimeters.

This system revolutionizes personnel management through advanced technologies.

B. Analysis of Productivity and Task Compliance

- Analyze behaviors to check if employees are fulfilling their tasks.

03

Operation

AI-Powered Video Intelligence

The CCTV camera feeds continuously monitor the mall staff..

AI algorithms recognize employees based on their visual characteristics and movement patterns.

Notifications et Rapports Automatisés

Sends a Friendly reminder If member of mall's staff left his assigned zone for 15 minutes

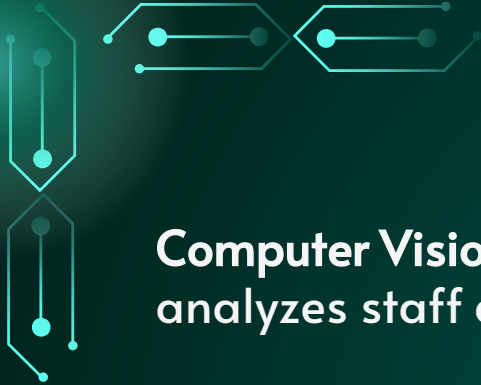
Send alerts when employees leave their assigned area for more than 20 minutes.

Detection of Employee and Customer Fatigue and Well-Being



04

Key Functions

Decorative circuit lines in the top left corner, consisting of teal and grey lines with circular nodes.

Computer Vision and AI: Identifies, tracks, and analyzes staff activity.

Facial Recognition / Uniform Identification:
Differentiates staff from visitors.

Edge AI Processing: Reduces dependence on the cloud for better cost-efficiency.

Automated Alerts and Dashboards: Enables immediate action against staff inefficiencies.

Decorative circuit lines in the bottom right corner, consisting of teal and grey lines with circular nodes.

05

Competitive Advantages

- ✓ **Increased Productivity:** Ensures that employees are active and engaged.
- ✓ **Enhanced Security:** Continuously protects sensitive areas.
- ✓ **Workforce Optimization:** Identifies staffing gaps and inefficiencies.
- ✓ **Minimal Installation Cost:** Utilizes existing cameras for a cost-effective solution.

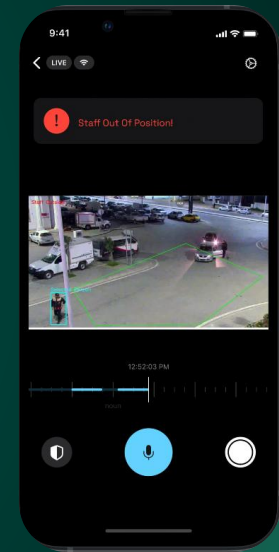
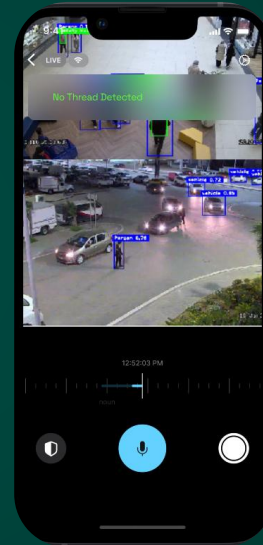
06

Innovative Features

**Prediction of Theft and
Suspicious Behaviors**

Automatic Threat Detection

Mobile Application for Staff



Calculation of the number of people entering and exiting to determine the current occupancy. In case of an emergency, it will be known if anyone remains who has not been evacuated.

