Vision Based
People Protective Equipment
Non-Compliance Detection Solution

Introduction

Goal
- Detect and alert while employees do not adhere to safety compliance of wearing People Protective Equipment (PPE) defined by organization.
- Tagging of the employee through facial recognition

Scope
- Vision based Detection and analytics
- Processing done on Windows OS based system connected to the cameras
- Live alerts and offline reports.

Solution Overview

- Custom PPE Detection
- People Detection
- People Tracking
- Body Part Detection
- Facial Recognition

Result Output

Alert will be issued in the form of

- SMS
- Email
- Offline Reports
- On Screen Notification
- Time stamped tag of the Non-Compliance
- Facial Recognition of employee

Use Cases

- To Check emission norms for Pollution
- Hand Rail Non Compliance
- Detect Compliance in LAB scenarios

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