

# **Team : Infynite Loop**

STG Makeathon – March, 2009  
Bhubaneswar

# Problem Statement

## Problem #3

### Visitor Management System

# Objective

**To develop a Secure, Friction Less, Feature Rich and User Friendly visitor management system.**

# Salient Features of our solution

## 1. Face recognition

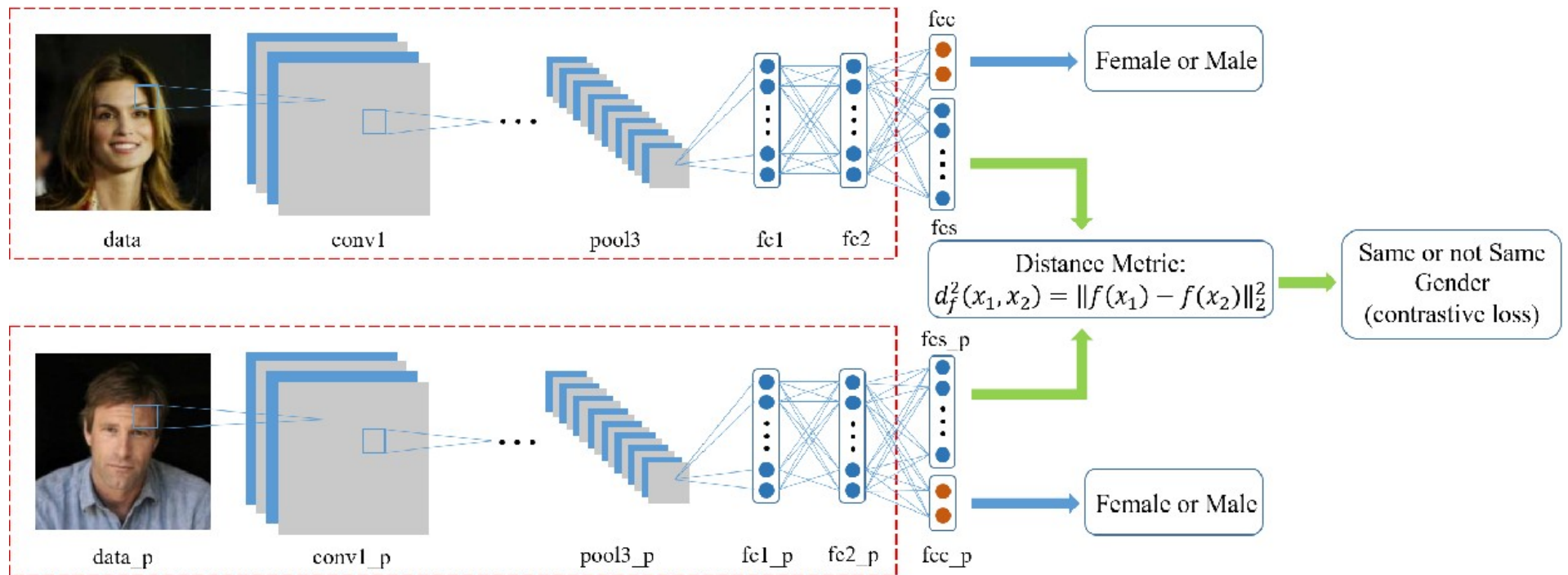
- Find a visitor by their face
- Verify a visitor's identity by clicking their photo

## 2. Paperless Operation

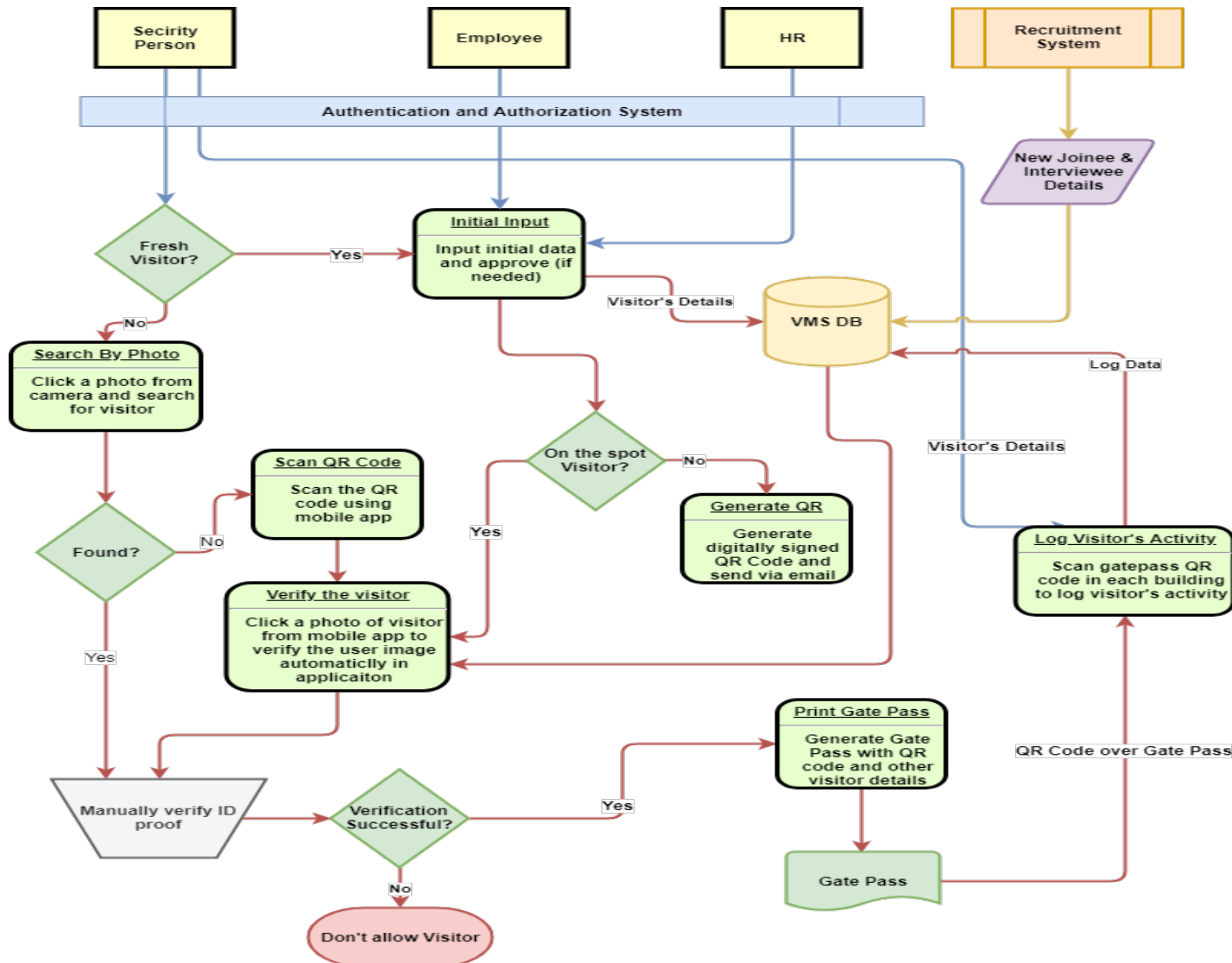
- Mobile application developed for security guards for easy paperless operation
- Gate pass and visitor requests sent electronically

# Face Recognition Model

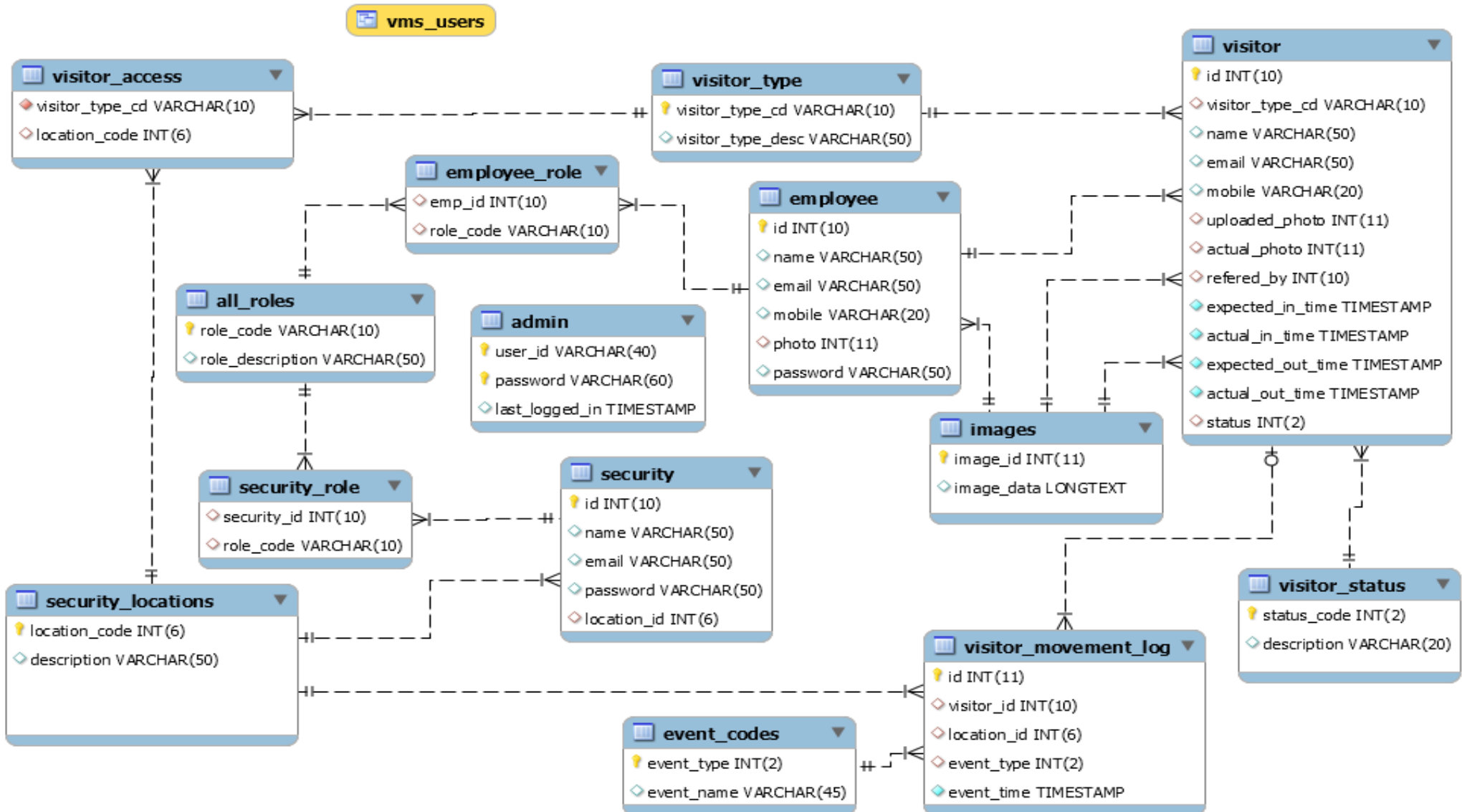
- **One-shot Learning**
- **Using trained VGGNET model to convert images to vectors**
- **OpenCV is used to detect and crop faces from images**



# Work Flow Diagram



# Database Model



# Demo



# Thanks