Crowd counting and monitoring videos for surveillance video.

ABSTRACT:

- In public venues, crowd size is a key indicator of crowd safety and stability.Monitoring the people number and crowd density levels are important.

- Crowd counting methods are to output a density map of the crowd and then obtain the head count by integration.

- We will integrate video surveillance system and geographic information system (GIS) for capturing, managing, analyzing and displaying all forms of geographically referenced camera information.

INTRODUCTION:

- Detecting and counting people.
- GIS system for video surveillance.

PROPOSED SYSTEM:

This system is composed of two components :

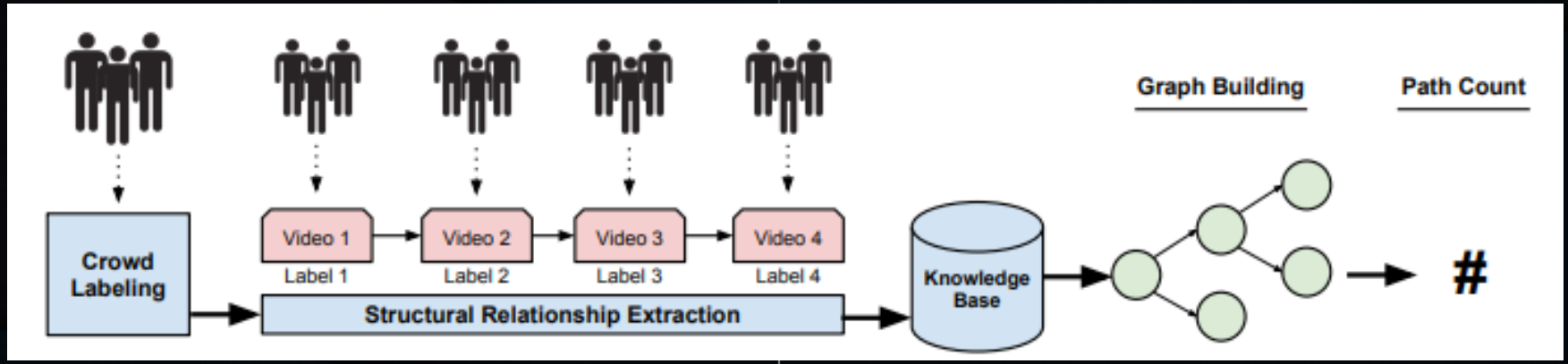
1.Crowd counting.

2.Video surveillance.

TECHNOLOGY STACK:

1. Python based Computer Vision and Deep Learning libraries
2. OpenCV
3. Keras
4. TensorFlow
5. YOLO
6. CNN
7. Machine Learning

DEPENDENCIES:



METHODOLOGY:

Step 1: Data collection and dataset preparation

Step 2: Developing a CNN based Crowd counting and monitoring model

Step 3: Training and experimentation on datasets