SMART AUTOMATION

Crowd Monitoring and Safety Alert

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PROBLEM STATEMENT

People going to cities have a hard time finding which place is the most suitable and less crowded for them to stay and spend time.

OBJECTIVE

Suggest place of accommodation and spend some time with people traveling from rural areas.

To monitor crowds in public places to get the exact number of people present in that area at any time.

METHODOLOGY

Counting people at Places with Limited Entrances,

1.Using UP and Down Method
2.Result = People entered -people left
3.Cams are fixed facing downwards in Entrances

Counting at Open Space ,

1.Cams are placed to get the whole view of the place
2.Result = No. of People on the Screen

1. How do we detect people using cameras?

In Yolo v4 (you only look once) using CNN (Convolutional Neural Network) the objects are detected just by seeing the source just one time. TensorFlow is used fo training custom object detection

2. Build for Commercials

Admin can use our app to sell their service (such as Booking, Buying Products, more) with a minimum percent as service charge to gain money.

BLOCK DIAGRAM