



# ***PEOPLE COUNTER SYSTEM***

*Soft computing*

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## Load the frame

- Load the video
- Open the frame

## Checking if object is a person

- If object exists for minimum age threshold, it is a person

## Checking if person is on position

- Check if person is on brown platform

## Apply background subtractor

- Changes whole frame to black and white (distinguish moving objects from background)

## Create new object

- If the contour is not already existing object, create new one

## Count people

- Count and display the number

## Apply opening and closing

- Opening (erosion + dilation)
- Closing (dilation + erosion)
- Used to clear out the objects

## Detect contours

- Form contours using minimum and maximum threshold

