Moving Body Detection using the computer vision

In [1]:
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# importing the basic library
import numpy as np
import cv2

# Importing the harrcascade files
body_classifier = cv2.CascadeClassifier('haarcascade_fullbody.xml')

# captuting the video
cap = cv2.VideoCapture('walking.avi')
while cap.isOpened():
    ret, frame = cap.read()
# converting into the gray image
    gray = cv2.cvtColor(frame, cv2.COLOR_BGR2GRAY)
    bodies = body_classifier.detectMultiScale(gray, 1.2, 3)
# defining the Rectengle size, color and thickness
    for (x,y,w,h) in bodies:
        cv2.rectangle(frame, (x,y),(x+w, y+h),(0,0,255),2)
        cv2.imshow("Pedestrians", frame)
    if cv2.waitKey(1)==13:
        break
cap.release()
cv2.destroyAllWindows()
```

In [ ]:
```

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