Week 6 Update

Group: F-22-028-D-ASFS

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Continued… Work on Loitering Detection (Suspicious Activity):

Continued work on Object Tracking and now code detects and tracks person, which will form the basis for our suspicious activity detection (Loitering and Baggage Abandonment)

Approach: Used YOLOV4 for object detection and DeepSort Tracking Algorithm over YOLO to track the person.

Techniques for DeepSort: Kalman Filter, Median Point, IOU, NN Matching

This is the output form video we recorded to test out code, it detects that a person and gives an ID to every person in frame.