Sahruday Patti, Vishaal Sivakumar
UML Activity Diagram

Read input frame. If empty?

No

Preprocess the image and pass it through the Detector

If human(s) is/are detected?

Get tracking Ids using using Hungarian algorithm with the previous frame

Get 3D coordinates from the bounding box

Display the bounding box, track Ids and the 3D coordinates of each human in the output frame