COLLISION AVOIDANCE DRONE

- The drone will be able to identify different objects in the captured footage in real time (human face in our implementation) follows the object and also makes sure the drone doesn't go too close to that object

- We always try to put the object in the center of the frame and use PID to calculate the speed and movements of drone

- We keep a track of the area of the object and if the area is greater than the threshold area we raise an alert and move the drone backwards.

  Area(Object) > Average Area (Object) = Move Back