**Step6: Model Prediction**

After satisfactory and desirable monitoring training output, we can test the model object to given input as video format. For this, we need to have load model weight file from given path and set the threshold value for model testing then use defaultpredictor function to call the model.

DefaultPredictor is a wrapper around model that provides such basic functionality. It includes default behaviour including model loading, pre-processing, and operates on single image rather than batches.

For model evaluation have used video file with recommended only **.mp4** format.

Captured frames per seconds from video using openCV and set the height and width of each frame. First, read the images from number of frames and called into the predictor function to visualize the objects into the colormode. Write the output as video format using CV2 VideoWriter function. Once complete the all process need to have release the video capture function and video write object.