```
import cv2
import numpy as np
from tensorflow.keras.models import load_model
from tensorflow.keras.preprocessing import image
class Video(object):
      def __init__(self):
            self.video = cv2.VideoCapture(0)
            self.roi_start = (50, 150)
            self.roi_end = (250, 350)
            #self.model = load_model('asl_model.h5') # Execute Local
Trained Model
            self.model = load_model('IBM_Communication_Model.h5') #
Execute IBM Trained Model
            self.index=['A','B','C','D','E','F','G','H','I']
            self.y = None
      def __del__(self):
            k = cv2.waitKey(1)

            self.video.release()
      def get_frame(self):
            ret,frame = self.video.read()
            frame = cv2.resize(frame, (640, 480))
            copy = frame.copy()
            copy = copy[150:150+200,50:50+200]
            # Prediction Start
            cv2.imwrite('image.jpg',copy)
            copy_img = image.load_img('image.jpg', target_size=(64,64))
            x = image.img_to_array(copy_img)
            x = np.expand_dims(x, axis=0)
            pred = np.argmax(self.model.predict(x), axis=1)
            self.y = pred[0]
            cv2.putText(frame,'The Predicted Alphabet is:
'+str(self.index[self.y]),(100,50),cv2.FONT_HERSHEY_SIMPLEX,1,(0,0,0),3)
            ret,jpg = cv2.imencode('.jpg', frame)
            return jpg.tobytes()
```