from matplotlib import pyplot

from matplotlib.patches import Rectangle

from mtcnn.mtcnn import MTCNN

import os

train\_dir = ("C:\\Users\\91805\\Desktop\\PSG\\PSG - SEMESTER 3\\PROJECT WORK SEM III\\project\\train\_data")

train\_dir\_path = "C:\\Users\\91805\\Desktop\\PSG\\PSG - SEMESTER 3\\PROJECT WORK SEM III\\project\\train\_data"

for subdir, dirs, files in os.walk(train\_dir\_path):

for file in files:

image\_path = os.path.join(subdir, file)

if (image\_path.find(".jpeg") == -1):

continue

#print(image\_path)

# load image from file

pixels = pyplot.imread(image\_path)

# create the detector, using default weights

detector = MTCNN()

# detect faces in the image

faces = detector.detect\_faces(pixels)

# load the image

data = pyplot.imread(image\_path)

# plot the image

pyplot.imshow(data)

# get the context for drawing boxes

ax = pyplot.gca()

# plot each box

for result in faces:

# get coordinates

x, y, width, height = result['box']

# create the shape

rect = Rectangle((x, y), width, height, fill=False, color='red')

# draw the box

ax.add\_patch(rect)

# show the plot

pyplot.show()



























