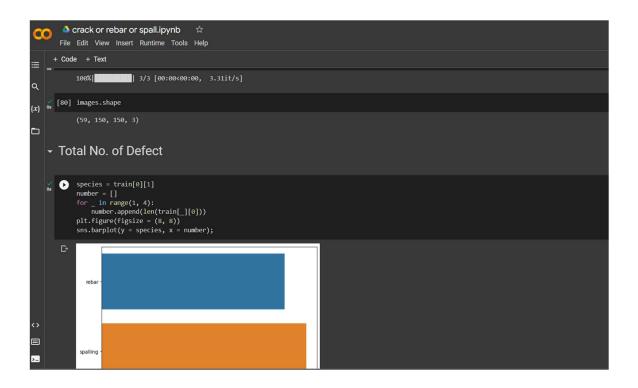
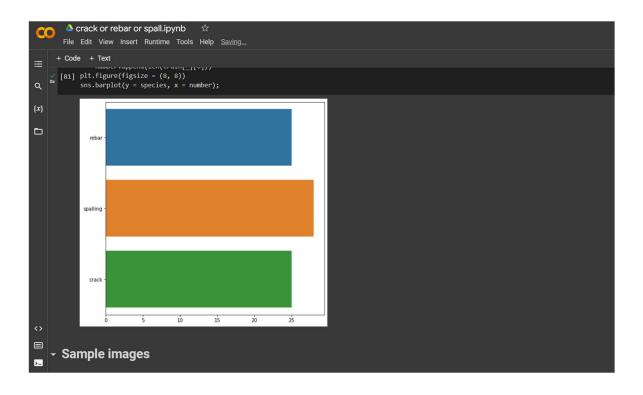
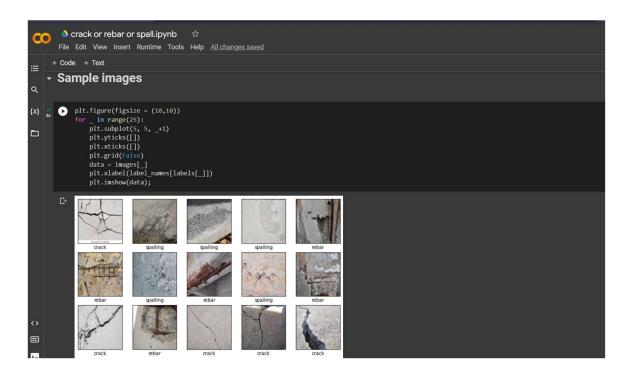
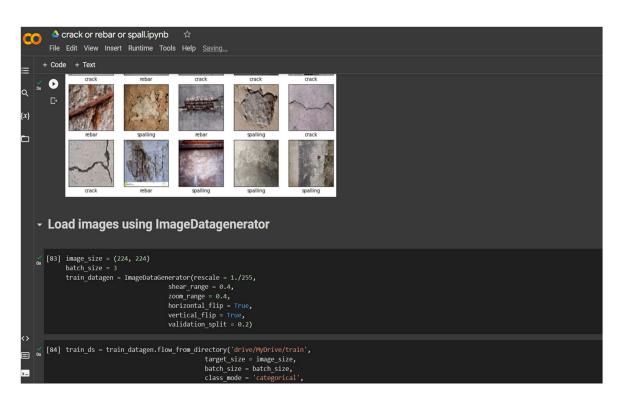
A.I Computer vision Task

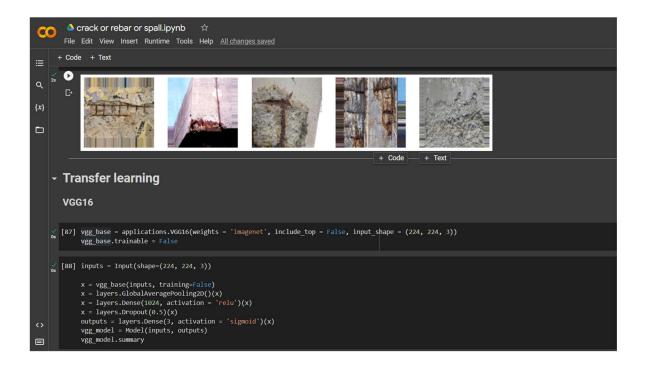
Concrete defect analysis

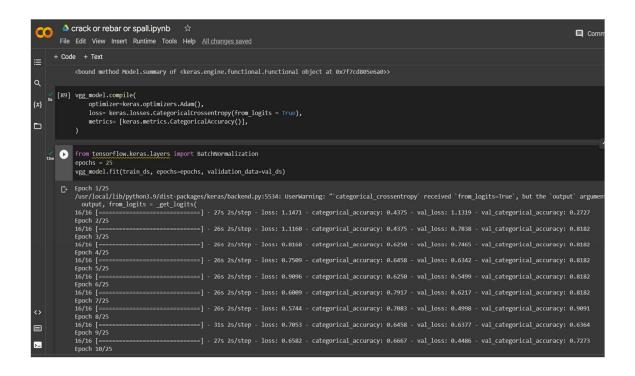


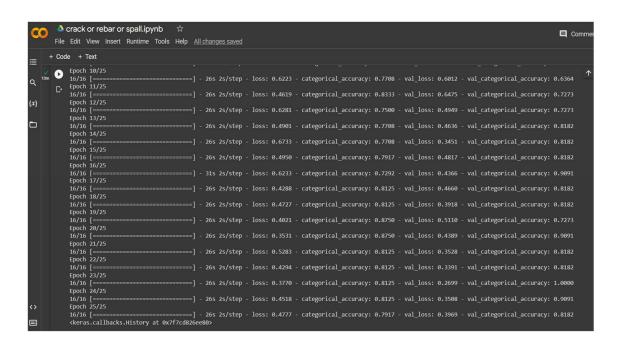












```
crack or rebar or spall.ipynb
        + Code + Text
Q | vgg_model.save('vgg.hdf5')
      - Testing Model on Own Image
def predictor(img, model):
    image = cv2.imread(img)
    image = cv2.cvtColor(image, cv2.COLOR_BGR2RGB)
    image = cv2.resize(image, (224, 224))
    image = np.array(image, dtype = 'float32')/255.0
    plt.imshow(image)
    image = image.reshape(1, 224,224,3)
                      label_names = train_ds.class_indices
                     dict_class = dict(zip(list(range(len(label_names))), label_names))
clas = model.predict(image).argmax()
name = dict_class[clas]
                      print('The given image is of \nclass: {0} \nDefect Type: {1}'.format(clas, name))
      predictor('drive/MyDrive/validation/testCrack4.jpg', vgg_model)
               ----] - Øs 400ms/step
25
>_
                   50
```

