## TEAM ID - PNT2022TMID3205

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from future import print function
from future import division
import os
import numpy as np
import tensorflow as tf
from PIL import Image
from flask import Flask, redirect, render template, request
from keras.applications.inception v3 import preprocess input
from keras.models import model from json, load model
from werkzeug.utils import secure_filename
from keras.preprocessing import image
global graph graph=tf.compat.v1.get default graph()
app = Flask( name )
json_file=open('final_model.json','r')
loaded model json=json file.read()
json file.close()
loaded model=model from json(loaded model json)
loaded_model.load_weights("final_model.h5")
@app.route('/', methods=['GET'])
def index():
return render template('digital.html')
```

```
@app.route('/predict', methods=['GET','POST'])
def upload():
if request.method=='POST':
f=request.files['image']
basepath=os.path.dirname( file )
file_path=os.path.join(basepath, 'uploads', secure_filename(f.filename)
f.save(file path) 38. img=image.load img(file path,target size=(224,224))
x=image.img to array(img)
x=np.expanf dims(x,axis=0)
with graph.as default():
preds=loaded_model.predict_classes(x)
found=["The great Indian bustart is bustard found on the Indian
subcontinent", "The spoon-billed sandpiper is small wader that breeds in
northestern India"]
text= found[preds[0]]
return text
if __name__ =='__main___':
app.run(threaded=False)
```