Sprint 4

Date	19 November 2022
Team ID	PNT2022TMID47488
Project Name	Project - Emerging Methods for Early Detection of Forest Fires
Maximum Sprint Points	20 points

1. Creation of Model in IBM Cloud and downloading it locally

```
'acd9c798-6974-5d2f-a657-ce06e986df4d'
         model_details= client.repository.store_model (model= 'image-classification-model_new.tgz'
         client.repository.ModelMetaNames.NAME:'CNN',
client.repository.ModelMetaNames.TYPE:"tensorflow_2.7",
client.repository.ModelMetaNames.SOFTWARE_SPEC_UID:software_spec_uid
         model_id= client.repository.get_model_id (model_details)
     '3dae6756-d295-4131-b79b-9b22fcc661b8'
     Successfully saved model content to file: 'my_model4.tar.gz'
   def guid_from_space_name(client, space_name):
    space = client.spaces.get_details()
   space_uid = guid_from_space_name(client, 'Forest_fire_model')
   print ('Space ID = ' + space_uid)
Space ID = 591e1daf-f677-4b5f-9dba-<u>5dba20311381</u>
   client.set.default_space(space_uid)
   client.software specifications.list()
Dutput exceeds the <u>size limit</u>. Open the full output data<u>in a text editor</u>
NAME
                                  ASSET_ID
spark-mllib_3.0-scala_2.12 09f4cff0-90a7-5899-b9ed-1ef348aebdee base
```

2. Designing of webpage & Integrating with the Model and twilio services

```
A popul requests

from tensorFlow kers.preprocessing import leage
from tensorFlow kers.scales import lead_model

from tensorFlow kers.scales import lead_model

prove tensorFlow kers.scales as part

from tensorFlow kers.scales as the provided as part

from tensorFlow as the from the first import secure filename
from tensorFlow as the from the first import secure filename
from tensorFlow profits were discovered import set_session

from tensorFlow profits were discovered import set_session

from tensorFlow profits were discovered import set_session

from playsound import playsound

import import import playsound

import import playsound import playsound

import playsound import play
```

Emerging Methods For Early Detection Of Forest Fires

Forest fires are a major environmental issue, creating economic and ecological damage while endangering human lives. There are typically about 100,000 wildfires in the United States every year. Over 9 million acres of land have been destroyed due to treacherous wildfires. It is difficult to predict and detect Forest Fire in a sparsely populated forest area and it is more difficult if the prediction is done using ground-based methods like Camera or Video-Based approach. Satellites can be an important source of data prior to and also during the Fire due to its reliability and efficiency. The various real-time forest fire detection and prediction approaches, with the goal of informing the local fire authorities.



Upload your video

Choose file No file chosen

Activate Windows
Go to Settings to activate Window

Results:



