Date: 22/5/2020

Name :- Poojary sushant

Course! - TCSION

USN: - YALIBEL400

Topic: Onderstand Actificial Intelligence Section & sem: 6th sem B'sec

Gods

- . To introduce you to the field of Artificial intelligence:
- . To explain the challenges inherent in building an "Intelligent System'
- . To explain the
 - key paradigms
- Core Techniques
 - Algorithm
- · Acces the applicability, strengths, & weakness of their method
- in solvins particular ensineerins problem
- Develope Intelligent system by assembling solutions to whosever
 - computational Problems
 - . After taking this course you should be able to
 - Formulate Problems as state space search
 - ~ problem & efficiently solve them
 - with game phying program
 - use machine learning to find Patterns in data
 - Build expert systems

0 ethnation

- -> Itis concerned with the Design of Intelligence in an Artificial Devoice
 - > Term coined by Mc Carthy in 1956
 - > Arthread Intelligence is concerned with the Design of Intelligence in an Arithcial Device

The Turing Test: Results

It is Inderegator cannot Reliably Distinguish the human from the computer. Then the computer does process Intelligence.

What's Intelligence

- · Behave as intelligently as truman
- · Behave In the bot Posible Manner
- Thinking
- Acting

Typical AI Problems

· Inteligent Entities need to be able to do both "Mundane 92%

Expen" Tasks.

- -> Planning Poute, Activity
- > Recognizing People, objects
 - -> communicating
 - -> Navigating Around obstacles on the street
- Expent Tasks
 - -> Medical Diagnosis:
 - -3 Mathematical Problem solving
- · Intelligence Behaviour
 - > Perception > Peavonins

 - >> leaving
 - words england on co
 - -) Solving Problems
- · Application
 - -S computer Vivian
 -) Image Recognition
 - Robotic
 - -> Longuage Processins
 - -> speech Processing

AI Topics

- · core Area !
- · Perception
- · uncertainty
- · General Algorithm
- · Application

Limits of AI Today

- · Todays successful AT system
- · Commonsense prowledge

what can AI system do?

- computer Vision: Face Recognition
- · Pobotics : Automous Assemblie
- · Natural language processing: simple Machine Translation
- · Expert system: Medical Diagnosis in a Namow Domain
- · spoken language: loop words continous peech
- · planning Locheduling: Hubble Telescope Experiments
- · Earning: Grand Master level in chess

what AI cannot do?

- · Understand Natural language Rodustly
- Read and Understand article in a Newspaper
- · Burf the web
- · Learn & Natural language.



This is to certify that

sushant poojary

has successfully completed

Career Edge - Knockdown the Lockdown

online course offered by TCS iON

Start Date: 17 May 2020 | End Date: 22 May 2020

Topics:

- Communication Skills Presentation Skills Soft Skills Career Guidance Framework Resume Writing
- Group Discussion Skills Interview Skills Business Etiquette Effective Email Writing Telephone Etiquette
 - Accounting Fundamentals
 IT Foundational Skills
 Overview of Artificial Intelligence* (Source: NPTEL)



Mehul Mehta Global Delivery Head, TCS iON

Mchul Mchta



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Dak: 22 May 2020
                                             pogary sushant
                                     Name
                                     USN GALIBECTOO
  course: PYTHON on Udemy
 Topic: Create web Maps with
                                     senester - ith Buse
         Python & Folium
 import to live
 import panda
 data = Pandas. read_csv("volcanoes.txt")
  1at = list (data ['LA7'])
   lon = list(data["LON"))
   elev = list (dot [" ELEV"])
   de f color-producer (Élevation).
       If elevation <1000:
           retuin green
        elif 1000 C = elevation <3000:
            retin 'organge'
        else
         return ined
   for It, Indinzip Clat, lon, elew:
      tgv.add_child (folium.circle Marker(location=[It, In], radius=6,
Popul =str(el)+"m", fill_color=color-producer (el) fill=True, color=
grey, fill-opeacity= 0.7))
        tolium . Feature Group (name = Population")
 fgp. add-child (folium. GeoJson (data = open (world juon, r;
encoding = (utfo-8 sig'). read(), style = function = lamdax:
 ¿'till color': 'green' it x[ Properhes']['poproor'] < 10000000
else 'orange' it 10000000 C= X[properter] [[PDP 2005] < 2000 0000 else
  ( red '3))
```



map. add_child (fgv)
map. add-child (fgp)
map. add-child (folium.layer(ontol())
map.save ("Mapl.html")

