

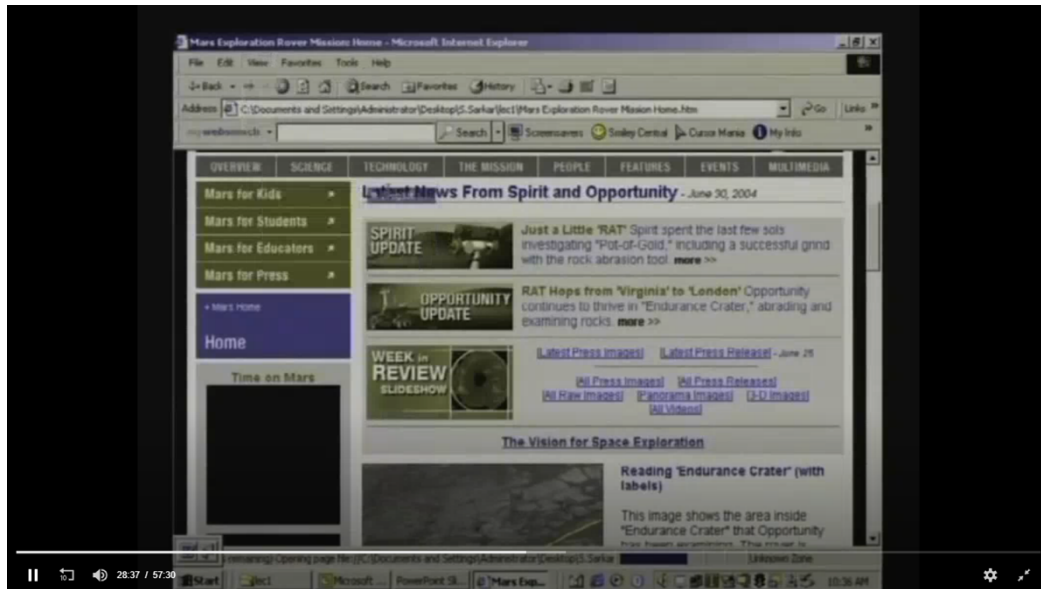
DAILY ASSESSMENT FORMAT

Date:	22/05/2020	Name:	Prajwal Kamagethi Chakravarti P L
Course:	TCSion	USN:	4AL17EC073
Topic:	<ol style="list-style-type: none"> 1. Understand Artificial Intelligence (AI)-Part 1 2. Understand Artificial Intelligence (AI)-Part 2 3. Assessment 	Semester & Section:	6 B
Github Repository:	https://github.com/alvas-education-foundation/Prajwal-Kamagethi.git		

FORENOON SESSION DETAILS

Image of session

1. Understand Artificial Intelligence (AI)-Part 1



2. Understanding Artificial Intelligence (AI)-Part 2



3. Assessment



TATA CONSULTANCY SERVICES

This is to certify that
Prajwal Kamagethi Chakravarti P L
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

Mehul Mehta
Global Delivery Head, TCS iON

Report:

1. Artificial Intelligence (AI)-Part 1

In the section, we learnt about the different approaches for AI which are- Thought reasoning, Ideal performance, Behavior, Human performance. We also learnt about the turning test in detail where the computer and human act alike. We discussed about the typical AI problems which includes planning, recognizing etc. AI and its practical impacts were explained as well. We learnt about intelligence about the Mars rover. And then its limits in today's world was explained in detail.

2. Artificial Intelligence (AI)-Part 2

In this section, we studied about what an agent is and how an agent interacts with the environment. Also, to identify the prospects available to the agents and the action that an agent can execute.

To understand the performance evaluation measures of an agent as well was understood. The concept of boundary ratio was told, different architectures, state-based agents, goal-oriented agents, utility agents, learning agents were discussed.

Date:	22/05/2020	Name:	Prajwal Kamagethi Chakravarti P L
Course:	Udemy-python	USN:	4AL17EC073
Topic:	1. Application 2: Create Web maps with python and folium	Semester & Section:	6 B
Github Repository:	https://github.com/alvas-education-foundation/Prajwal-Kamagethi.git		

AFTERNOON SESSION DETAILS

Image of session

The screenshot displays a UDEMY course interface. The main content area shows a code editor with Python code for a Folium map. The code reads data from 'world.json' and 'Volcanoes.txt', processes it, and creates a map with markers and a layer control. The right sidebar shows the course content, including sections 141 through 26. The bottom of the screen shows a Mac OS dock with various application icons.

```
map1.py
6 lon = list(data["LONG"])
7 elev = list(data["ELEV"])
8
9 def color_producer(elevation):
10     if elevation < 1000:
11         return 'green'
12     elif 1000 <= elevation < 3000:
13         return 'orange'
14     else:
15         return 'red'
16
17 map = folium.Map(location=[38.58, -99.09], zoom_start=6, tiles="Mapbox Bright")
18 fg = folium.FeatureGroup(name="My Map")
19
20 for lt, ln, el in zip(lon, elev):
21     fg.add_child(folium.CircleMarker(location=[lt, ln], radius = 6, popup=str(el)+" m",
22     fill_color=color_producer(el), color = 'grey', fill_opacity=0.7))
23
24 fg.add_child(folium.GeoJson(data=open('world.json', 'r', encoding='utf-8-sig'),
25     style_function=lambda x: {'fillColor':'green' if x['properties']['POP2005'] < 10000000
26     else 'orange' if 10000000 <= x['properties']['POP2005'] < 20000000 else 'red'}))
27
28 map.add_child(fg)
29 map.add_child(folium.LayerControl())
30
31 map.save("Map1.html")
32
```

Course content

- 141. Layer Control Panel 6min
- Section 18: Fixing Programming Errors 0 / 6 | 39min
- Section 19: Application 3: Build a Website Blocker 0 / 10 | 1hr 20min
- Section 20: Application 4: Build a Personal Website with Python and Flask 0 / 12 | 1hr 6min
- Section 21: Graphical User Interfaces with Tkinter 0 / 5 | 22min
- Section 22: Interacting with Databases 0 / 6 | 45min
- Section 23: Application 5: Build a Desktop Database Application 0 / 9 | 1hr 32min
- Section 24: Object Oriented Programming 0 / 8 | 1hr 15min
- Section 25: Python for Image and Video Processing with OpenCV 0 / 8 | 1hr 2min
- Section 26: Application 6: Build a Webcam Motion Detector 0 / 3 | 53min

About this course

A complete Python course for both beginners and intermediates! Master Python 3 by making 10 amazing Python apps.

Report -

Folium is a powerful Python library that helps you create several types of Leaflet maps. To get an idea, just zoom/click around on the next map to get an impression. The Folium github contains many other examples. By default, Folium creates a map in a separate HTML file. The library has a number of built-in tilesets from OpenStreetMap, Mapbox, and Stamen, and supports custom tilesets with Mapbox or Cloudmade API keys. folium supports both Image, Video, GeoJSON and TopoJSON overlays.

The open source leaflet is a highly popular web mapping tool due to its flexibility.

It is used to initialize a leaflet map. The pandas library is used to read and convert it into the desired data frame. The latitude and longitude are extracted and are used to mark the map. Later, the desired location is marked using the folium attributes.