

DAILY ASSESSMENT FORMAT

Date:	22-05-2020	Name:	Neha T
Course:	TCSiON	USN:	4AL18EC035
Topic:	Understanding Artificial Intelligence	Semester & Section:	4th sem A sec
Github Repository:	Neha-T		

FORENOON SESSION DETAILS

Image of session

The screenshot shows the TCSiON Digital Learning platform. The left sidebar contains a 'TABLE OF CONTENTS' with items like 'Intelligence (AI) - Part 1', 'Lesson - Understand Artificial Intelligence (AI) - Part 1', 'DAY 14: Understand Artificial Intelligence (AI) - Part 2', 'Lesson - Understand Artificial Intelligence (AI) - Part 2', 'DAY 15: Assessment', 'Final Assessment', and 'Feedback'. The main content area displays a lesson titled 'Sub Unit- Lesson - Understand Artificial Intelligence (AI)...' with a 'Completed' status. The lesson content includes a diagram titled 'Mobile Robot Example' showing a 'CLASSICAL SUBSCRIPTION' with layers: EXPLORE, WANDER, and AVOID. The diagram also shows a 'MOTOR' block. Text on the right explains the layers: Layer 0: Avoid Obstacles, Layer 1: Wander behaviour, Layer 2: exploration behaviour. It also lists actions: 'Whenlook notices idle time and looks for an interesting place', 'Pathplan sends new direction to avoid', and 'Integrate monitors path and sends them to the path plan'. A note at the bottom says 'Experiencing Buffering Issues? Switch to Basic HTML Player'.

The screenshot shows the TCSiON Digital Learning platform with the 'Final Assessment' results. The left sidebar is the same as the previous screenshot. The main content area displays the 'Final Assessment' results. It includes a table with the following data:

Total Marks	Pass Marks	Attempts Taken	Duration	Start Time	View Assessment Analysis
30.0	18.0	01	30 Mins	17 May 2020 12:00 AM TO 16 Jul 2020 12:00 AM	At the End of Assessment

Below this table is a section titled 'My Attempts' with a table showing the attempt details:

Attempted On	Attempted Duration (Submission Time)	Marks Obtained	Status	Action
21 May 2020 01:36 PM	0:30:18 Hrs(02:07 PM)	22.0/30.0	Pass	-

Report – Report can be typed or handwritten for up to two pages.

➤ **Artificial Intelligence**

- Under this session i have learnt different ways of defining Artificial Intelligence, different components of intelligence behavior and have a fair idea of the types of problems that can be currently solved by computers and those that are as yet beyond its ability
- It emphasizes the development of machine intelligence, thinking and working like humans
- Intelligence behavior - Perception, Reasoning, Learning, Understanding language, Solving problems
- Practical impact of Artificial Intelligence -
 - ★ AI components are embedded in numerous devices e.g copy machines
 - ★ AI systems are used in everyday lives
- Technology review says that Universal translation is one of 10 emerging technologies that will affect our lives and work in revolutionary ways within a decade
- History behind Artificial Intelligence
- Foundations of Artificial intelligence
 - ★ Economics
 - ★ Mathematics
 - ★ Philosophy
 - ★ Psychology
 - ★ Biology
 - ★ Computer Engineering
 - ★ Linguistics
- Basically Artificial Intelligence can work beyond the human power

Date: 22-05-2020

Course: Python

Topic: Web mapping with Python and Folium

Name: Neha T

USN: 4AL18EC035

Semester
& Section:

AFTERNOON SESSION DETAILS

Image of session

The screenshot shows a Udemy video player for the course "The Python Mega Course: Build 10 Real World Applications". The video content displays a Python script in a code editor. The script defines a function `color_producer(elevation)` that returns 'green' for elevations below 1000, 'orange' for elevations between 1000 and 3000, and 'red' for elevations above 3000. It then creates a Folium map centered on [38.58, -99.50] and adds a layer of points from a dataset named 'world.json', colored according to the `color_producer` function. The video player interface includes a progress bar at 2:08 / 6:24, a search bar, and a sidebar with the course content list.

Course content

- 131. Adding Points from Files (13min)
- 132. Popup Windows on Map (5min)
- 133. HTML on Popups (1min)
- 134. Color Points (8min)
- 135. Add and Style Points (Practice) (1min)
- 136. Tip: Add and Style Points (1min)
- 137. Solution (2min)
- 138. GeoJson Data (6min)

About this course

A complete Python course for both beginners and intermediates! Master Python 3 by

The screenshot shows a Udemy video player for the same course. The video content displays a web map of North America with colored points (green, orange, red) representing different elevation levels. The map is displayed in a browser window. The video player interface includes a progress bar at 1:00 / 1:00, a search bar, and a sidebar with the course content list.

Course content

- 126. Web Map - How The Output Will Look Like (1min)
- 127. The Basemap (12min)
- 128. Note (1min)
- 129. Adding Points (8min)
- 130. Adding Multiple Points (5min)
- 131. Adding Points from Files (13min)
- 132. Popup Windows on Map (5min)
- 133. HTML on Popups (1min)

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➤ **Web Mapping with Python and Folium**

- **Under this session i have learnt how to create a leaflet web map from scratch with Python and Folium library**
- **Folium is the Python package built to bridge the data wrangling muscle of Python with leaflets**
- **Installation of Python and Python Folium , basic understanding of Python, The input datasets are the needs to make the map**
- **The code and resulting maps show a straightforward exercise in extracting the geographic coordinates and a few attribute values**
- **Under this session i have also learnt**
 - ★ **The basemap**
 - ★ **Note**
 - ★ **Adding points, Multiple points and points from files**
 - ★ **Popup windows on Map**
 - ★ **HTML on popups**
 - ★ **Color points**
 - ★ **Tips to practice Add and Style points**
 - ★ **how to add a Geolson Polygon Layer**
 - ★ **Choropleth map**
 - ★ **Layer control panel**