**DAILY ASSESSMENT FORMAT**

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| **Date:** | **22 MAY 2020** | **Name:** | **MANAVI** |
| **Course:** | **TCS ION CAREER EDGE** | **USN:** | **4AL18EC031** |
| **Topic:** | **DAY 13:**understand artificial intelligence.(part 1)  **DAY 14:**understand artificial intelligence(part 2)  **DAY 15:**assessment | **Semester & Section:** | **4TH SEM**  **& A SEC** |
| **Github Repository:** | **Manavi-test** |  |  |

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| **FORENOON SESSION DETAILS** |
| **Image of session** |
| **Report – Report can be typed or hand written for up to two pages.**    **ARTIFICIAL INTELLIGENCE:-**   * **machine learning:**uses statistical techniques to give machines the ability to learn from data without being explicitly given any instruction on how do it. * **deep learning:**mimics the activity in the layers of neurons inthe brain to learn how to recognize complex patterns in data. * **reinforcement learning:**software agents that learn goal-oriented behaviour by trial and error in an environment that provides rewards or penalties for achieving that goal. * **transfer learning:**focuses on storing knowledge gained in one problem and applying it to a different or related problems,thereby reducing the need for additional training data and compute. * **good old-fashionable ai(gofai):**a name given to an early symbolic ai paradigm that fell out of favour amongst researches. * **computer vision.** * **natural language.** * **speech processing.** * **predictive analytics.** * **multi-agent collaboration.**      |  |  |  |  | | --- | --- | --- | --- | | **DATE:** | **22 MAY 2020** | **NAME:** | **MANAVI** | | **COURSE:** | **PYTHON** | **USN:** | **4AL18EC031** | | **TOPIC:** | **DAY 5:application 2:create webmaps with python & folium.** | **SEMESTER & SECTION:** | **4TH SEM & A SEC** | |

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| **AFTERNOON SESSION DETAILS** | | | |
| **Image of session** | | | |
| **Report – Report can be typed or hand written for up to two pages.**  **CREATE WEBMAPS USING PYTHON & FOLIUM:-**     * this folium shows how to create a leaflet web map from scratch with python and the folium library. * that should generate a map.html file.later,you can simpply put that HTML file on a live server and have the map online. * folium has been able to generate HTML,javascript and css and thee three render the map o the browser. * you can server this HTML as a static file in basic webserver,but you can also go more advanced and create a python application and have folium dynamically generate such leaflet maps on demand. * the general approach i take here is to first create a folium basemap and then add two layers to it:(1) a choropleth of census tracts,symbolised crime density,and (2) crime point location. * i write a separate function to plot each of these two layer,each of which takes a geodataframe as its input. * folium takes unprojected lat/long coordinates for all of its plotting,so in make sure to concert all my projected geodata frames toWGS84 within the plotting functions. | | | |