**DAILY ASSESSMENT FORMAT**

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| **Date:** | **22-05-2020** | **Name:** | **BHOOMIKA HEBBAR** |
| **Course:** | **TCS ION** | **USN:** | **4AL17EC010** |
| **Topic:** | **Accounting fundamentals,gain IT skills,artificial intelligence part1&2** | **Semester & Section:** | **6th & A** |
| **Github Repository:** | **bhoomika\_python** |  |  |

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| **FORENOON SESSION DETAILS** |
| **Image of session** |
| Report – Report can be typed or hand written for up to two pages.  **Gain IT skills:**  Commonly referred to as IT, there are many [job titles](https://www.thebalancecareers.com/list-of-information-technology-it-job-titles-2061498) in the technology sector. From programming and database creation to providing general technical support, there are roles for people with many areas of interest, and many levels of expertise.  The important skills are:   1. Coding 2. Communication 3. Networking 4. Time management   **Artificial intelligence:**  **AI** refers to the simulation of human intelligence in machines that are programmed to think like humans and mimic their actions. The term may also be applied to any machine that exhibits traits associated with a human mind such as learning and problem-solving.  The ideal characteristic of artificial intelligence is its ability to rationalize and take actions that have the best chance of achieving a specific goal.  **Understanding Artificial Intelligence**  When most people hear the term artificial intelligence, the first thing they usually think of is robots. That's because big-budget films and novels weave stories about human-like machines that wreak havoc on Earth. But nothing could be further from the truth.Artificial intelligence is based on the principle that human intelligence can be defined in a way that a machine can easily mimic it and execute tasks, from the most simple to those that are even more complex. The goals of artificial intelligence include learning, reasoning, and perception.As technology advances, previous benchmarks that defined artificial intelligence become outdated. For example, machines that calculate basic functions or recognize text through optimal character recognition are no longer considered to embody artificial intelligence, since this function is now taken for granted as an inherent computer function.AI is continuously evolving to benefit many different industries. Machines are wired using a cross-disciplinary approach based in mathematics, computer science, linguistics, psychology, and more.Algorithms often play a very important part in the structure of artificial intelligence, where simple algorithms are used in simple applications, while more complex ones help frame strong artificial intelligence.  **Applications of Artificial Intelligence**  The applications for artificial intelligence are endless. The technology can be applied to many different sectors and industries. AI is being tested and used in the healthcare industry for dosing drugs and different treatment in patients, and for surgical procedures in the operating room.Other examples of machines with artificial intelligence include computers that play chess and [self-driving cars](https://www.investopedia.com/articles/investing/052014/how-googles-selfdriving-car-will-change-everything.asp). Each of these machines must weigh the consequences of any action they take, as each action will impact the end result. In chess, the end result is winning the game. For self-driving cars, the computer system must account for all external data and compute it to act in a way that prevents a collision.Artificial intelligence also has applications in the financial industry, where it is used to detect and flag activity in banking and finance such as unusual debit card usage and large account deposits—all of which help a bank's fraud department. Applications for AI are also being used to help streamline and make trading easier. This is done by making supply, demand, and pricing of securities easier to estimate. |

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| **Course:** | **UDEMY PYTHON MEGA\_COURSE** | **USN:** | **4AL17EC010** | |
| **Topic:** | **Create webcams using python and folium** | **Semester & Section:** | **6th &A** | |
| **AFTERNOON SESSION DETAILS** | | | |
| **Image of session** | | | |
| **Report – Report can be typed or hand written for up to two pages.**  **Today I have learnt :**   * Web Map - How The Output Will Look Like * The Basemap * Adding Points * Adding Multiple Points * Adding Points from Files * Popup Windows on Map * HTML on Popups * Color Points * Add and Style Point * Geojson data * Adding a GeoJson Polygon Layer * Choropleth Map * The control panel   **The code tried:**  import cv2;  face\_cascade = cv2.CascadeClassifier('haarcascade\_frontalface\_default.xml');  video = cv2.VideoCapture(0);  while True:  check, frame = video.read();  faces = face\_cascade.detectMultiScale(frame,  scaleFactor=1.1, minNeighbors=5);  for x,y,w,h in faces:  frame = cv2.rectangle(frame, (x,y), (x+w,y+h), (0,255,0), 3);  cv2.imshow('Face Detector', frame);  key = cv2.waitKey(1);  if key == ord('q'):  break;  video.release();  cv2.destroyAllWindows(); | | | |