**DAILY ASSESSMENT FORMAT**

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| **Date:** | **22/05/2020** | **Name:** | **Akshatha M Deshpande** |
| **Course:** | **TCS-ION CAREER EDGE** | **USN:** | **4AL17EC006** |
| **Topic:** | **UnderstandArtificialIntelligence(AI)** | **Semester & Section:** | **6th Sem A sec** |
| **Github Repository:** | **AkshathaDeshpande** |  |  |

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| **FORENOON SESSION DETAILS** |
| **Image of session**  **last**  **Certificate:**  **last0** |
| **Report – Report can be typed or hand written for up to two pages.**    **PART-1**  Introduction :  Definition of AI ,Example Systems ,Approaches to AI , Brief History    Artificial Intelligence:  It is Concerned with the Design of Intelligence in an Artificial Device. Term Coined by Mc.Carthy in 1956 .Artificial Intelligence is Concerned with the Design of Intelligence in an Artificial Device .Immediate translation between people speaking different languages would be a remarkable achievement of AI.  A Turing Test is a method of inquiry in artificial intelligence (AI) for determining whether or not a computer is capable of thinking like a human being. The test is named after Alan Turing, the founder of the Turing Test and an English computer scientist, crypt-analyst, mathematician and theoretical biologist.  What is Intelligence ?  1. Behave as Intelligently as Humans  2. Behave in the Best Possible Manner  3. Thinking  4. Acting  Applications:  1.Computer Vision  2. Image Recognition  3. Robotics  4. Language Processing  5. Speech Processing  **PART-2**  Things done by AI:  1. Computer Vision :Face Recognition  2. Robotics : Autonomous Automobile  3. Natural Language Processing :Simple Machine Translation  4. Expert Systems : Medical Diagnosis in a Narrow Domain  4. Spoken Language : 1000 Words Continuous Speech  5. Planning and Scheduling : Hubble Telescope Experiments  6. Learning  Example for agents:  1.Human – Eyes, Ears, Skin, Taste buds, etc. are sensors. Hands, Fingers, Legs, Mouth,  etc. are effector.  2.Robots – Camera, Infrared, Bumper, etc. are sensors. Grippers, Wheels, Lights,  Speakers, etc. are actuators.    Limitations:   1. Today Successful AI System 2. Operate in well-Defined Domains 3. Employ Narrow,Specialized Knowledge 4. Commonsense Knowledge   5. Needed in Complex,Opens Ended Worlds  6. Understand Unconstrained Natural Language |
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| **Date:** | **20/05/2020** | **Name:** | **Akshatha M Deshpande** | |
| **Course:** | **Python** | **USN:** | **4AL17EC006** | |
| **Topic:** | **Create Web Maps with Python and**  **Folium** | **Semester & Section:** | **6th Sem A sec** | |
| **AFTERNOON SESSION DETAILS** | | | |
| **Image of session**  **pyt** | | | |
| **Report – Report can be typed or hand written for up to two pages.**  Numpy:  Numpy is the fundamental package for scientific computing in Python.At the core of the Numpy package, is the ndarrayobject. This encapsulates *n*-dimensional  arrays of homogeneous data types, with many operations being performed in compiled code for performance.But for images having higher number of pixels, **list** will consume more memory to store pixel values, so numpy is the efficient way to access and store pixel values of the image.  Create Web maps with Python and Folium:  The open source Leaflet is a highly popular web mapping tool due to its flexibility.Indexing and Slicing of numpy arrays.Accessing numpy arrays by rows, columns and also by each element of the array.  The value 1is passed when read operation is performed on the image to give Blue, Green, Red (BGR) pixel values of the image respectively.  The value 0is passed when read operation is performed on the image to give gray scale  pixel values of the image. | | | |