**DAILY ASSESSMENT FORMAT**

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| **Date:** | **30-May-2020** | **Name:** | **Vishwesh V Bhat** |
| **Course:** | **Python by Udemy** | **USN:** | **4AL18EC059** |
| **Topic:** | 1. **More on Functions** 2. **File processing** | **Semester & Section:** | **4th SEM and ‘A’ SEC** |
| **Github Repository:** | **Vishwesh-V-Bhat-lockdwn-learnings** |  |  |

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| **FORENOON SESSION DETAILS** |
| **Image of session** |
| **Report – Report can be typed or hand written for up to two pages.**  **TOPICS COVERED:**   * **Using functions with arbitrary number of non - keyworded arguments.(\*arg)** * **Using functions with arbitrary number of keyworded arguments. In session quizzes on the same.(\*\*kwarg)** * **File processing using python was taught:**  1. **Reading a file - with open(“text.txt”,”r”) as file:**   **X = file.read()**   1. **Closing a file(Importance of closing a file)** 2. **How to run the if our txt file is in a different directory or path(It is better to have our file in the same location as our py code file).** 3. **Writing text to a file - with open(“text.txt”,”w”) as file:**   **file.write(“…….\n………”)**  **File.write(“\n…….”)**   1. **Appending a text file - with open(“text.txt”,”+a”) as file: (with “+a”, the file can be read as well as written into)** 2. **Reason for using seek(0)** |

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| **Date:** | **30-May-2020** | **Name:** | **Vishwesh V Bhat** | |
| **Course:** | **1.Signals and Systems**  **2. RPA using UiPath(Certified)** | **USN:** | **4al18ec059** | |
| **Topic:** | 1. **(a) Intuition behind Laplace and Fourier Transform** 2. **(b) Laplace Transform of 1st order** 3. **RPA basics using Ui Path platform** | **Semester & Section:** | **4th SEM & ‘A’ SEC** | |
| **AFTERNOON SESSION DETAILS** | | | |
| **Image of session** | | | |
| **Report – Report can be typed or hand written for up to two pages.**  **TOPICS COVERED:**   1. **(a) -  Geometric way used to understand both Fourier and Laplace transforms. Considered**   **F(t) cos(omg)t and F(t) sin(omg)t, varied the value of (omega) and observed changes in**  **Curve. Observed changes in area under curves.**  **Considered combination of exponential and trigonometric functions and observed wave forms.**  **Observed change in area under curve in this case.**  **Superimposed sine and cosine waves on square waves, and discussed similarities.**     1. **(b) - Laplace transform(1st order) by MIT open course ware.**   **Definition of a Laplace transform[F(s)] for a given f(t) was taught.**  **Laplace transform of an exponential f(t) was calculated.**  **Laplace transform of derivatives was done.**  **Inverse of laplace transform was done.**   1. **Basics RPA(Robotic process automation) - Ui Path**   **- What is RPA?**  **Ans: Robotic Process Automation is the technology that allows anyone today to configure computer software, or a “robot” to emulate and integrate the actions of a human interacting within digital systems to execute a business process. RPA robots utilize the user interface to capture data and manipulate applications just like humans do. They interpret, trigger responses and communicate with other systems in order to perform on a vast variety of repetitive tasks. Only substantially better: an RPA software robot never sleeps and makes zero mistakes.**  **How RPA can reduce cost of revenue of an organization over the long run was discussed.**  **- RPA can lower the work load and increase accuracy in production.**  **- RPA does not essentially replace work force but it will upgrade the work force in skill aspects.**  **- RPA can save manual intervention in various work aspects and buy time for an individual or an organization to work and concentrate on important untouched areas.**  **Basics on using Ui Path Resources was taught:**  **- Ui Path products that are aid for RPA like: StudioX, Orchestrator, Ui Automation Cloud, etc….**  **Were Discussed.** | | | |