**DAILY ASSESSMENT FORMAT**

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| **Date:** | **10/07/2020** | **Name:** | **PRIYA P RAO** |
| **Course:** | **MATLAB Outreach** | **USN:** | **4AL18EC041** |
| **Topic:** | * **Programming** * **Final Project** | **Semester & Section:** | **4th sem ‘A’ section.** |
| **Github Repository:** | **Priya-Rao** |  |  |

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| **FORENOON SESSION DETAILS** |
| **Image of session**  **C:\Users\Pawan\Desktop\z1.PNG**  **C:\Users\Pawan\Desktop\z4.PNG** |
| **In today’s session I have studied about:**   * **Chapter 1: Programming**   **Write programs that execute code based upon some condition.**   * **Programming Constructs** * **Decision Branching** * **The body of an if block is only executed if the condition is true.** https://matlabacademy-content.mathworks.com/4.18/R2020a/content/Syntax/Programming%20constructs/Decision%20Branching/images/ifstatement.jpg * **Often in these situations, you may want to execute some other code if the condition is not met. To do this, you can use the else keyword, as shown. x = rand**   **if x > 0.5**  **y = 3**  **else**  **y = 4**  **end**   * **For Loops:**   **When this code is run, the loop body will be executed three times, as the loop counter (c) progresses through the values 1:3 (1, 2, and 3).** https://matlabacademy-content.mathworks.com/4.18/R2020a/content/Syntax/Programming%20constructs/For%20Loops/Images/forloop.jpg   * **Chapter 2: Final Project**   **Bring together concepts that you have learned with a project.**   * **Project - Stellar Motion** * **The spectra data was collected at evenly-spaced wavelengths, and you know the starting wavelength**   **λstart**   * **Each column of spectra is the spectrum of a different star. The sixth column is the spectrum of star HD 94028.** * **Use the loglog function in the same way as the plot function to plot data using a log scales for each axis.** * **loglog(x,y,"\*--")** * **Recall that the min function allows two outputs, the second of which is the index at which the minimum value occurred. This index corresponds to the location of the Hydrogen-alpha line.** * **The line (lambdaHa,sHa) is the location of the Hydrogen-alpha line.** * **Project - Stellar Motion II** |

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| **Date:** | **10/07/2020** | **Name:** | **PRIYA P RAO** |
| **Course:** | **Internet of Things (IoT)** | **USN:** | **4AL18EC041** |
| **Topic:** | * **Everything can be Automated** * **Everything needs to be Secured** * **Educational and Business Opportunity** | **Semester & Section:** | **4th sem ‘A’ section** |
| **Github Repository:** | **Priya-Rao** |  |  |

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| **AFTERNOON SESSION DETAILS** |
| **Image of session**  **C:\Users\Pawan\Desktop\z5.PNG** |
| **In today’s session I have studied about :**   * **Chapter 1: Everything can be Automated**   **In this how intent-based network uses AI and ML to ensure that any services that are deployed meet the required service level. A model of IBN contains three elements including assurance, translation and activation. The Cisco Digital Network Architecture (Cisco DNA) is an example of an intent-based network. It is an open, extensible, software-driven architecture.**   * **Chapter 2: Everything needs to be Secured**   **This chapter began by discussing the types of data. Personally identifiable information (PII) or sensitive personal information (SPI) is any data relating to a living individual that can be used on its own or with other information to identify, contact, or locate a specific individual. Legitimate companies have an agreements (Terms and Conditions or Terms of Service) that gives them permission to use the collected data about you for purposes of improving their business. Other legitimate users of our data would be companies that use sensors on their own devices or vehicles. Governments that have environmental sensors, and cities who have installed sensors on trains, busses or traffic lights also have a right to the data they generate.**   * **Chapter 3: Educational and Business Opportunities**   **There are two basic types of certification available: vendor-specific and vendor-neutral. Vendor-specific certifications are tailored to technologies offered by a company to prove that an individual is qualified to deploy and manage that technology. Vendor-neutral certifications are offered by many different organizations. Certifications can show an employer that an individual has the appropriate skills for a job. Community college or university degrees can show that a person has gained a broad understanding in a field of study. This broad understanding creates a solid foundation for emerging career opportunities in the IoT.** |