**DAILY ASSESSMENT FORMAT**

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| **Date:** | **03-Jun-2020** | **Name:** | **Vishwesh V Bhat** |
| **Course:** | **Course on Control Systems** | **USN:** | **4AL18EC059** |
| **Topic:** |  | **Semester & Section:** | **4th SEM and ‘A’ SEC** |
| **Github Repository:** | **Vishwesh-V-Bhat-lockdwn-learnings** |  |  |

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| **FORENOON SESSION DETAILS** |
| **Image of session**  **signals and systems pic SS2** |
| **TOPICS COVERED:**   1. **Formation of Incidence matrix:**   **A. How to write a incidence matrix by considering direction of nodes(incoming and outgoing associated with -1 and +1 respectively).**  **B. Producing a reduced incidence matrix by keeping a reference node.**   1. **Formation of tie-set and cut-set matrix and its application in KVL and KCL:** 2. **Producing a tie set matrix considering the previous example.** 3. **Producing a cut set matrix using the same example.** 4. **Application of tie set and cut set matrix** |

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| **Date:** | **03-Jun-2020** | **Name:** | **Vishwesh V Bhat** | |
| **Course:** | **Python by Udemy** | **USN:** | **4al18ec059** | |
| **Topic:** | 1. **Linking python code with a given mySQL database** | **Semester & Section:** | **4th SEM & ‘A’ SEC** | |
| **AFTERNOON SESSION DETAILS** | | | |
| **Image of session**  **mysql_database_connection_in_python-300x180database123**   1. Connecting to the mySQL database server. 2. The database containing dictionary words | | | |
| **PROBLEM STATEMENT:**  **The Interactive Dictionary code that was written previously was linked with a .JSON file that stored all the dictionary contents. “.Json” files are very large and can significantly affect the functionality of the application significantly. And storing large amount of text data in .json file and using them for coding is not smart way of managing large data.**  **SOLUTION:**  **We were given credentials of an already existing mySQL database. We imported mysql.connector,**  **Established a connection between the database server and the code. And then successfully queried for meanings from the dictionary.**  **The database stores the data in rows. The words in the dictionary are stored in one row and in a parallel row the meanings are stored. So for the code to navigate through the tables of the database we create a cursor connection.**  **CODE:**  **!@#**  **Idea behind the code lines is mentioned in the code.** | | | |