**DAILY ASSESSMENT FORMAT**

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| **Date:** | **27/05/2020** | **Name:** | **PADMINI M** |
| **Course:** | **DIGITAL SIGNAL PROCESSING** | **USN:** | **4AL17EC066** |
| **Topic:** | * **Fourier Transforms** * **FFT** * **FFT Fast Fourier Transform Matlab** * **FIR and IIR Filters** * **Study and analysis FIR and IIR using FDA tool in MatLab** * **Introduction to WT** * **CWT & DWT** * **Implementation of signal Filtering signal using WT in MatLAb** * **Short-time Fourier Transform and the Spectogram** * **Welch's method and windowing** * **ECG Signal Analysis Using MATLAB** | **Semester & Section:** | **6th Bsec** |
| **Github Repository:** | **Padmini** |  |  |

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| **FORENOON SESSION DETAILS** |
| **Image of session** |
| **Report – Report can be typed or hand written for up to two pages.** |

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| **Date:** | **27/05/2020** | **Name:** | **PADMINI M** | |
| **Course:** | **PYTHON** | **USN:** | **4AL17EC066** | |
| **Topic:** | **Build a Desktop**  **Database Application**  **Object Oriented Programming** | **Semester & Section:** | **6th Bsec** | |
| **AFTERNOON SESSION DETAILS** | | | |
| **Image of session** | | | |
| **Report – Report can be typed or hand written for up to two pages.**   * There are many graphical user interface (GUI) toolkits that you can use with the Python programming language. * The big three are Tkinter, wxPython, and PyQt. Each of these toolkits will work with Windows, macOS, and Linux, with PyQt having the additional capability of working on mobile. * A graphical user interface is an application that has buttons, windows, and lots of other widgets that the user can use to interact with your application. A good example would be a web browser. It has buttons, tabs, and a main window where all the content loads. * The error was fixed by simply implementing a try and except block. When the get\_selected\_row function is called, Python will execute the indented block under try . * If there is an IndexError, none of the lines under try will be executed; the line under except will be executed, which is pass. The pass statement means "do nothing". Therefore the function will do nothing when there's an empty listbox. * object orientedprogramming is just a way to organize your code. That means Opie is not a must. * Python is a multi-paradigm programming language. Meaning, it supports different programming approach. * One of the popular approach to solve a programming problem is by creating objects. This is known as Object-Oriented Programming (OOP) * An object has two characteristics:attributes and behavior * Inheritance is the capability of one class to derive or inherit the properties from another class. The benefits of inheritance are: * It represents real-world relationships well. * It provides reusability of a code. We don’t have to write the same code again and again. Also, it allows us to add more features to a class without modifying it. * It is transitive in nature, which means that if class B inherits from another class A, then all the subclasses of B would automatically inherit from class A. | | | |