**DAILY ASSESSMENT FORMAT**

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| **Date:** | **25/05/2020** | **Name:** | **PADMINI M** |
| **Course:** | **DIGITAL SIGNAL PROCESSING** | **USN:** | **4AL17EC066** |
| **Topic:** | **Introduction to Fourier Series & Fourier Transform**  **Inner Product in Hilbert Transform**  **Complex Fourier Series**  **Fourier Series using Matlab**  **Fourier Series using PYTHON**  **Fourier Series and Gibbs Phenomena 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:** | **22/05/2020** | **Name:** | **PADMINI M** | |
| **Course:** | **PYTHON** | **USN:** | **4AL17EC066** | |
| **Topic:** | **Build a website blocker and Personal**  **Website with Python and Flask** | **Semester & Section:** | **6th Bsec** | |
| **AFTERNOON SESSION DETAILS** | | | |
| **Image of session** | | | |
| **Report – Report can be typed or hand written for up to two pages.**   * The objective of Python website blocker is to block some certain websites which can distract the user during the specified amount of time. * In this, we will block the access to the list of some particular websites during the working hours so that the user can only access those websites during the free time only. * The working time in this python application is considered from 9 AM to 5 PM. The time period except that time will be considered as free time * To block the access to a specific website on the computer, we need to configure the hosts file. * The hosts file is a local file which was used to map hostnames to IP addresses in the old days. Although the DNS service is used nowadays to map the hostnames to the IP addresses, the host file is still very complex and can be used to configure the mapping of the IP addresses locally. * The open() method opens the file stored as host\_path in r+ mode. First of all, we read all the content of the file by using the read() method and store it to a variable named content. * The for loop iterates over the website list (websites) and we will check for each item of the list whether it is already present in the content. * If it is present in the hosts file content, then we must pass. Otherwise, we must write the redirect-website mapping to the hosts file so that the website hostname will be redirected to the localhost. * Special note for Windows users : Windows user need to create a duplicate of OS’s host file. Now provide the path of the duplicate file in hosts\_path mentioned in the script. * Scheduling above script in Mac : For scheduling above script in Mac you have to open crontab in your terminal as a root. | | | |