**DAILY ASSESSMENT FORMAT**

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| **Date:** | **26/may/2020** | **Name:** | **Prashantha naik** |
| **Course:** |  | **USN:** | **4al17ec074** |
| **Topic:** | **1. Fourier Series & Gibbs Phenomena using Python**  **2.** **Fourier Transform**  **3.** **Fourier Transform Derivatives**  **4. Fourier Transform and Convolution**  **5. Intuition of Fourier**  **6. Laplace Transform**  **7. Applications of Z-Transform**  **8. Find the Z-Transform of sequence using Matlab** | **Semester & Section:** | **6th b** |
| **Github Repository:** | **prashanth\_course** |  |  |

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| **FORENOON SESSION DETAILS** |
| **Image of session** |
| **Report – Report can be typed or hand written for up to two pages.**  **Fourier Series & Gibbs Phenomena using Python**  **import numpy as np**  **import matplotlib.pyplot as plt**  **plt.rcParams['figure.figsize'] = [8, 8]**  **plt.rcParams.update({'font.size': 18})**  **dx = 0.01**  **L = 2\*np.pi**  **x = np.arange(0,L+dx,dx)**  **n = len(x)**  **nquart = int(np.floor(n/4))**  **f = np.zeros\_like(x)**  **f[nquart:3\*nquart] = 1**  **A0 = np.sum(f \* np.ones\_like(x)) \* dx \* 2 / L**  **fFS = A0/2 \* np.ones\_like(f)**  **for k in range(1,101):**  **Ak = np.sum(f \* np.cos(2\*np.pi\*k\*x/L)) \* dx \* 2 / L**  **Bk = np.sum(f \* np.sin(2\*np.pi\*k\*x/L)) \* dx \* 2 / L**  **fFS = fFS + Ak\*np.cos(2\*k\*np.pi\*x/L) + Bk\*np.sin(2\*k\*np.pi\*x/L)**  **plt.plot(x,f,color='k',LineWidth=2)**  **plt.plot(x,fFS,'-',color='r',LineWidth=1.5)**  **plt.show()** |

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| **Date:** | **26/may/2020** | **Name:** | **Prashantha naik** | |
| **Course:** | **Python** | **USN:** | **4al17ec074** | |
| **Topic:** | **Application 4: Build a Personal Website with Python and Flask** | **Semester&Section:** | **6th b** | |
| **Git hub repository** | **prashanth\_couse** |  |  | |
| **AFTERNOON SESSION DETAILS** | | | |
| **Image of session** | | | |
| **Report – Report can be typed or hand written for up to two pages.**  **Application 4: Build a Personal Website with Python and Flask**  **Note on Browser Caching**  Sometimes, when you make a change to the CSS file and reload the webpage, the changes are not shown because the browser uses the previous cached styling. If this happens, open the browser in private (incognito) mode and load the webpage there.  **How to Install Git**  Git is a version control system allowing you to upload the project files to a server and helps track your changes while maintaining the web app.  **Format**  **body {**  **margin: 0;**  **padding: 0;**  **font-family: "Helvetica Neue", Helvetica, Arial, sans-serif;**  **color: #060;**  **}**  **/\***  **\* Formatting the header area**  **\*/**  **header {**  **background-color: #DFB887;**  **height: 35px;**  **width: 100%;**  **opacity: .9;**  **margin-bottom: 10px;**  **}**  **header h1.logo {**  **margin: 0;**  **font-size: 1.7em;**  **color: #fff;**  **text-transform: uppercase;**  **float: left;**  **}**  **header h1.logo:hover {**  **color: #fff;**  **text-decoration: none;**  **}**  **/\***  **\* Center the body content**  **\*/**  **.container {**  **width: 1200px;**  **margin: 0 auto;**  **}**  **div.home {**  **padding: 10px 0 30px 0;**  **background-color: #E6E6FA;**  **-webkit-border-radius: 6px;**  **-moz-border-radius: 6px;**  **border-radius: 6px;**  **}**  **div.about {**  **padding: 10px 0 30px 0;**  **background-color: #E6E6FA;**  **-webkit-border-radius: 6px;**  **-moz-border-radius: 6px;**  **border-radius: 6px;**  **}**  **h2 {**  **font-size: 3em;**  **margin-top: 40px;**  **text-align: center;**  **letter-spacing: -2px;**  **}**  **h3 {**  **font-size: 1.7em;**  **font-weight: 100;**  **margin-top: 30px;**  **text-align: center;**  **letter-spacing: -1px;**  **color: #999;**  **}**  **.menu {**  **float: right;**  **margin-top: 8px;**  **}**  **.menu li {**  **display: inline;**  **}**  **.menu li + li {**  **margin-left: 35px;**  **}**  **.menu li a {**  **color: #444;**  **text-decoration: none;**  **}** | | | |