**DAILY ASSESSMENT FORMAT**

|  |  |  |  |
| --- | --- | --- | --- |
| **Date:** | **27-05-2020** | **Name:** | **Kiran N** |
| **Course:** | **DSP** | **USN:** | **4al16ec031** |
| **Topic:** |  | **Semester & Section:** | **8th and A** |
| **Github Repository:** |  |  |  |

|  |
| --- |
| **FORENOON SESSION DETAILS** |
| **Image of session** |
| **REPORT**  **Gaussian functions**  **Fs = 100; % Sampling frequency**  **t = -0.5:1/Fs:0.5; % Time vector**  **L = length(t); % Signal length**  **X = 1/(4\*sqrt(2\*pi\*0.01))\*(exp(-t.^2/(2\*0.01)));**  **plot(t,X)**  **title('Gaussian Pulse in Time Domain')**  **xlabel('Time (t)')**  **ylabel('X(t)')**  **Cosine functions**  **Fs = 1000; % Sampling frequency**  **T = 1/Fs; % Sampling period**  **L = 1000; % Length of signal**  **t = (0:L-1)\*T;**  **x1 = cos(2\*pi\*50\*t); % First row wave**  **x2 = cos(2\*pi\*150\*t); % Second row wave**  **x3 = cos(2\*pi\*300\*t); % Third row wave**  **X = [x1; x2; x3];**  **for i = 1:3**  **subplot(3,1,i)**  **plot(t(1:100),X(i,1:100))**  **title(['Row ',num2str(i),' in the Time Domain'])**  **end** |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  |  |  | |
|  |  |  |  | |
|  |  |  |  | |
|  | | | |