Group Assignment –
Submit on 17-Nov-2021 (23:59 hr)

- Submit as pptx/pdf.
- No need to record.
- Mention who did and didn't contribute

1. Using MATLAB/Python/Octave, plot a sinusoidal waveform with magnitude of 100 (rms) and frequency of 10 Hz.
2. Plot the sine wave in question 1 alongside another sine wave of half its magnitude and leading it by 30^0. Both waves should be in the same plot.
3. Calculate the RMS and average values, and the form factor for the sine wave detailed in question no. 1. (no software)
4. Calculate the RMS value and peak factor for a square wave of magnitude 100 and 25 Hz.
5. Calculate the RMS value and form factor for a symmetrical triangular wave of peak magnitude 100 and 25 Hz.
6. Using MATLAB/Python/Octave plot the signal mentioned in question 4 and 5 with and without the help of built-in functions.

Question	Marks
1	5
2	5
3	5
4	10
5	10
6	15