IT204 SS Lab 3

Q1. Write Program in python to compute Fourier series of the following periodic signals

(a) Square Wave

(b) Sawtooth Wave

(c) Triangular Wave

Find the Fourier Coefficients. Plot the amplitude and phase spectrum

Q2. Create a trailer video related to some events or programs (national or international) by using existing videos and integrating your voice. (Events Examples you can consider Swachh Bharat mission, covid-19 precaution measures to prevent the spread of COVID-19, save girl child, etc.)

Note:

1) **All exercises must be implemented using Jupyter Notebook. (Language:python)**

2) **Please do all sub questions in a single Jupyter notebook only.**

3) **Install and import all necessary packages based on the task given.**

4) **Indicate all steps clearly with explanation.**

5) **After execution download .pdf and .ipynb file which includes code, explanation as well as output.**