Birla Institute of Technology & Science, Pilani, Rajasthan
First Semester 2020-2021
<u>Lab-2: Task4</u>

Course: EEE F311 Communication Systems
Instructor-in-Charge: S M Zafaruddin

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MATLAB Task 4

You listen various tones (dial, ringing, busy) using a telephone. These tones are generated with a combination of sine wave of various frequency. The tone plan is based on ITU-T Standard recommendation. The dial tone is a continuous tone of the addition of the frequencies 350 and 440 Hz. The ringing tone comprises frequencies of 440 and 480 Hz and a cadence of 2 seconds ON and 4 seconds OFF. The busy tone has frequency components of 480 and 620 Hz and a cadence of one half second ON and one half second OFF. Use this tone plan to generate **ringing tone**. Use a speaker to listen ringing tone by applying Matlab function sound. While generating the sinewave, mind its amplitude (take 0.1 volt).