**Lab Instructors: Prof.** Vijay Kumar Chakka & **Dr.** Ravi Kant Saini

1. **Linear Convolution Class Example :**
2. Implement the MATLAB program for computing the LTI system output Using convolution and block convolution approach discussed in the class.Input and impulse response considered in the class on 10/8/2017
3. **Block Convolution**
4. Create the above convolution program as function in MATLAB.
5. Read the audio signal (*‘Signal\_Processing\_Audio.mp3’)* is given in Lab-1.
6. Extract the signal for 5 sec duration (estimate the length of the sequence) and considered it as.
7. Now, Calculate the outputs for the given impulse responsesof length 61 each *(stored in .mat files h1,h2 )* using ***Overlap-add method*** (Divide the input signal into multiple blocks with each size of ).