**VIMAL JAIN 16CSU419 PYTHON PROJECT**

I have done a python project under guidance of Mr.Sandeep Singh Sir.

My project is “Hiding .mp3 file in .mp4 file”.

I have first read both the files in the for of numpy matrices i.e. frames of mp3 and mp4 files.

Mp4 file is a 3-D matrix and mp3 file is a 2-D matrix.

I have used following libraries for this :

from scipy.io.wavfile import read,write

import cv2

import numpy as np

import os

import wave

I have used cv2.VideoCapture(r'bts.mp4').read()[1] to read the video file

I have used music\_man = read(r'ff.wav')[1] to read mp3 file.

I have first reshaped both the matrices to make them compatible with each other.

l = vidcap.shape[0]

b = vidcap.shape[1]

col = vidcap.shape[2]

I have combined mp4 and mp3 files with each other by inserting values of both matrices alternatively.

So the resultant matrix is a combination of bothe mp3 and mp4.

Thanks

Vimal Jain