ML Lab (CS360)

Assignment 1

Total Marks: 20
Submission deadline: 23-Aug-2020 (5PM)
Submission mode: Google Form

Part 1: NumPy Basic (4 Marks)

1. Write a NumPy program to create an array of 10 zeros,10 ones, 10 fives
2. Write a NumPy program to create an array of all the even integers from 10 to 50
3. Write a NumPy program to generate a random number between 0 and 1
4. Write a NumPy program to save the matrix (generated in question 3) to a text file and load it

Part 2: Pandas Excel (3 Marks)

1. Write a python program to read an image and save the image as a matrix to a .csv file using pandas
2. Write a program to import excel data from the .csv file (generated in question 1) by excluding the last row and last column
3. Write a Pandas program to create the today's date

Part 3: (3 Marks)

1. Create a mini calculator to know the age of a person after putting the range (i.e. date of birth and current date)