**Indian Institute of Information Technology, Allahabad**

**Data Mining Lab**

**Lab Assignment - 7**

**Submission Deadline: 10th April 2020**

Q1. Implementation the KNN algorithm for classification purpose in Python using the following instructions:  
  
## Description  
  
\* The Iris data set is bundled for test, however you are free to use any data set of your choice provided that it follows the specified format.  
  
## Data set format  
  
\* Attributes can be integer or real values.  
\* List attributes first, and add response as the last parameter in each row.  
    \* E.g. [4.5, 7, 2.6, "Orange"], where the first 3 numbers are values of attributes and "Orange" is one of the response classes.  
    \* Another example can be [1.2, 4.3, 3], in this case, there are 2 attributes while the response class is the integer 3.  
\* Responses can be integer, real or categorical.