## **ASSIGNMENT 7-Decision Tree**

Mahima V PES1201700665

Amrita hegde PES1201700970

Chaitra H P PES1201701370

## **Problem Statement:**

Construct a decision tree on a dataset.

```
SepalLengthCm SepalWidthCm PetalLengthCm PetalWidthCm
                            3.5
              4.9
                            3.0
                                           1.4
                                                         0.2 Iris-setosa
2
             4.7
                            3.2
                                           1.3
                                                        0.2 Iris-setosa
              4.6
                            3.1
                                           1.5
                                                         0.2 Iris-setosa
                                           1.4
```

'Iris-virgi

## nica']}]}

```
SepalLengthCm 5.1
SepalWidthCm 2.5
PetalLengthCm 3
PetalWidthCm 1.1
label Iris-versicolor
Name: 98, dtype: object
```

```
In [20]: M classify_example(example, tree)
Out[20]: 'Iris-versicolor'
```

print(accuracy)
0.95