**PGP in AI/ML**

**Classification - Assignment 4**

**Submission Date: 2359 hrs on 19-10-2019**

**Total Marks: 10**

The following questions are to enhance your understanding of basic concepts and definitions. You are expected to answer these questions on your own without referring to internet.

1. For the dataset -2 (liver disease dataset), implement Decision Tree classifier using Python. **[10 M**]

Please follow the following steps.

1. Load and split the data [1M]
2. Implement Decision Tree Classifier [2M]
3. Calculate accuracy measures (Precision/Recall/F1/CM) [1M]
4. Prune the tree using any pruning technique to enhance accuracy [4M]
5. Summarise effect of pruning on accuracy [2M]

Submission Details

Text answers – id\_classification\_assignment4.doc

Code - id\_DT.ipynb

Contact Details

(You should put up queries in the discussion forum of the corresponding assignment folder only)

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