

CS7267 Programming Assignment #5 (Fall 2019)

Due: November 18, 2019 (due in class)

To implement a multi-layer feedforward back-propagation algorithm (we can just call it ANN) that can perform the following tasks.

1) Perform the XOR function.

2) Perform the classification of Iris dataset.

You may write your code in a contemporary language of your choice; typical languages would include C/C++, Python, Java, Ada, Pascal, Smalltalk, Lisp, and Prolog. A GUI interface is preferred.

1. Submit a PDF file of your well-commented source program, your design and your printed outputs (or screen shots). Please include your codes in your PDF file. Please do not take codes from the website if possible. Try to understand the algorithm and implement the algorithm by your own.
2. Please upload the PDF to D2L. **Restriction: No zipped files.**
3. In addition, please give a demo on your program in the classroom in the due day (only a few of you will be randomly selected for the presentation due to the time constraint. However, you are encouraged to give me a demo outside of the classroom).

Adding the following lines at the beginning of your program.

```
// Course:          CS7267
// Student name:    _____
// Student ID:      _____
// Assignment #:    _____
// Due Date:        _____
// Signature:       _____
// Score:           _____
```