

# CS 667 Advance Machine Learning – Programming Assignment 1

Dr. Nazar Khan

April 06, 2015

**Due Date:** Wednesday, 15th April, 2015 before class.

**Note:** Assignments with clean, compact and modular code will receive **5 extra marks**.

## 1. (20 marks): Training MLP via backpropagation

Setup and train an MLP to generate Figure 5.3 from Bishop's book.

## Submission

Email your assignment to me at **nazarkhan@pucit.edu.pk** as a .zip file with the naming convention

**YourRollNumber\_ProgrammingAssignment1.zip**

For example, if your roll number is MSCSF14M999, then the .zip file should be named

**MSCSF14M999\_ProgrammingAssignment1.zip**

The .zip file should contain the following:

- A **myFigure5\_3.png** file that contains the figure that you have created.
- All .m files containing Matlab code.

**Please do not submit anything extra!**