Course Name   : Computer Programming Lab

Course Number   : MA-514P

Credit   : 0-0-3-2

Prerequisites   : MA-514 : Computer Programming

Students intended for   : M.Sc./M.S./Ph.D.

Elective or core   : Core for M.Sc. in Applied Mathematics and Elective for

                                          other discipline

Semester   : Odd/Even

Course Objective:

This Lab course will go simultaneously with Computer Programming & Applications to give the practical experience.

Course Outline:

This lab course will complement the theory course Computer Programming & Applications by providing hand on experience. The syllabus will cover the lab aspect of the theory course.

Text Books:

1. V. Rajaraman, COMPUTER PROGRAMMING IN C, PHI Learning (2004).

2. E. Balagurusamy, Programming In Ansi C, 3rd edition, Tata McGraw-Hill Publication, New Delhi, 2004.

3. Walter Savitch, Problem Solving with C++: Global Edition, 9th edition, Pearson Education, November 2014.

4. Robert Lafore, Object Oriented Programming In C++, 4th edition, Pearson Education India (2004).

Reference Book:

1. Bjarne Stroustrup, The C++ Programming Language, Pearson Education, 4th Edition, 2013.

2. Brian W. Kernighan, *The C Programming Language (Ansi C Version)*, PHI; 2 edition (1990).

3. Brian W. Kernighan, Dennis M. Ritchie, *Programming Languages C with Practicals*, Margham Publications; 1 edition (2012).