

## Implementation of the Triple DES

**Objective:**

To gain a deeper understanding of cryptographic algorithms and their implementation.

**Due Date:**

16<sup>th</sup> March 2010 (issued on 16<sup>th</sup> February 2010).

**Marks:**

This assignment represents 12.5% of the total marks for this module.

**Description of Assignment:**

The Data Encryption Standard (DES) and Triple DES have been introduced in the course. The purpose of this assignment is to implement the DES first and then Triple DES in a programming language of your choice.

The assignment report should contain the following:

1. Your code split up into manageable sections with a detailed explanation of each section.
2. Any problems encountered in implementing the code.
3. The overall code, with comments, in the appendix.

Reports will only be accepted by e-mail and should be sent to the following **three** email addresses before 5 pm on the due date.

[xiaojun.wang@dcu.ie](mailto:xiaojun.wang@dcu.ie); [amitabha@eeng.dcu.ie](mailto:amitabha@eeng.dcu.ie); [insky.bj@gmail.com](mailto:insky.bj@gmail.com)

Each email lab report submission should contain the following:

- The subject heading formatted exactly as follows:  
Student ID Number - Full Name - EE548 Assignment1
- It should contain
  1. Your report, including the scanned, signed cover sheet (the latter you may also fax to me if you wish - Fax: +353-1-7005508).
  2. Your code and details on how to compile it.
  3. Refer to the Thesis template under the “Links to relevant files” when writing your report

Copying of any form will not be accepted. This includes copying and pasting information from the Internet. All code must be your own. Any reports with copied text will get zero.