COMP90043: Cryptography and Security

Project:Research Report

Due Date: 20 October 2017

1 Introduction

The project will be carried out in groups of maximum three students. If someone prefers to work alone or cannot find a group, we can allow individual projects. However, we encourage everyone to work in a group.

You will choose a security topic involving Cryptography for the task.

Your topic can be chosen from the list of potential research topics found in the LMS in the file `2017-ListofResearchTopics.doc`. Other topics may also be suitable. Please consult the lecturer or a tutor if you wish to select an alternative topic.

The university library provides free access to a wide range of scholarly publications (http://library.unimelb.edu.au/). You are encouraged to search for recent journal and conference articles on the topics listed. You can also use the textbook and the lectures as a starting point.

The term paper project contributes 35% of your total mark in the subject. The project involves two parts; the first part is a class presentation and the second part is a written report. Part 1 (the presentation) is worth 6% of your total mark and Part 2 (the written report) is worth 29% of your total mark for the subject.

2 Research Report

2.1 Part 1: Class Presentation

Each group will prepare and give an 8-10 minute (max ten slides) presentation on their topic during Week 11 of Second Semester 2017 (Week starting Monday 9th October 2017-details of exact presentation time during this week will appear later). Students should gain a reasonable understanding of the topic and be able to answer questions from their classmates during the presentation. An electronic version of the presentation (e.g. PowerPoint or PDF slides) must be uploaded to the designated submission area on LMS (details appears later) by 9:00 am the day of the presentations.

2.2 Part 2: Written Report

Students must also submit a written report on the topic. The size of the report depends on the number of students in the group. It is as follows:

- Individual projects: 2500 words

- Group of Two: 3000 words

- Group of Three: 3500 words

The written report should be in the form of a research paper. Read more about styles and report writing on the subject web page. The project is a research exercise; it need not contain original material. The work should be scholarly. You should acknowledge any suitable reference you utilized to prepare the term paper. You are also required to

include a conclusion section about your evaluation and critique on the topic. The report is due by 5:00pm Friday 20th October 2017 and should be uploaded to the `Assignments > Term Paper > Research Project Report` section of the COMP90043 LMS. Late reports will not be accepted except under special circumstances.

Note: It is not necessary to complete the written report at the time of presentation. However, you need to present the main aims of your research, the general methodology adopted for the work and the planned references for the report.

3 Timeline for Research Report Project

No.	Activities	Dates
1	Forming Groups (Talk to your friends and make general contacts)	Week 1 - Week 3
2	Submission of initial 1-2 page project proposal	August 18, 2017
3	Submission of presentation slides and presentation	Week 11
4	Submission of written research report	October 20, 2017

4 Marking Criteria

Part 1: Presentation (6 marks)	
Coverage of the Major Themes within the Topic	40%
Clarity of Presentation	20%
Presentation of Technical Details	20%
Use of Accessible Examples	10%
Critical evaluation	10%

Part 2: Written Report (29 marks)	
Format and Structure	10%
Quality of Sources Cited	20%
Coverage of the Topic	20%
Critical evaluation	30%
Presentation of the Technical Details	20%

4.1 Mark Allocation In Groups

All members of a group will get the same mark on the project, and all members must be present and contribute to the presentation and the written report. If a member does not contribute to a part of the project, then that member will get no marks allocated for that particular part. The first page of the report should have a short reflective statement by each member explaining his/her contribution (about half a page per person). The project proposal will outline the expected contribution of each group member. If you have any concerns about the contribution of group members not being equal, please discuss this with the lecturer.

5 Administration

5.1 Getting help

If you have any questions, the LMS discussion board will be a useful resource in resolving any issues. If your concern is a personal matter, then you should email the subject coordinator.

Any answers posted by the subject coordinator on the LMS discussion board will be considered as part of the project specification. In addition, please keep an eye out for any LMS announcements for any changes made to the project specification.

5.2 Academic honesty

Turnitin will be used as a deterrent against academic dishonesty. The report should consist of your original work. All citations should be made in an academically recognised style, which should be used consistently throughout the report. Direct quotes should be minimal, and should be clearly highlighted by the use of quotation marks and also cited properly. If you reproduce any diagrams, they should be clearly acknowledged.

Plagiarism and collusion constitutes cheating. Disciplinary action will be taken against students who engage in plagiarism and collusion in accordance with university statute 13.1.18. For examples and more information on what constitutes plagiarism and collusion, please visit http://academichonesty.unimelb.edu.au.

5.3 Report submission

The deadline for the final report submission is as specified at the start of this project document.

The report must be submitted as a PDF file via Turnitin on the LMS. A cover sheet which includes your name and login user name should be included as the first page. The report is to be formatted on A4 sized paper in 10 pt text, with 1.5 line spacing and a minimum 3.8 cm margins on the left and right sides. The content you write should be present in the PDF file in the form of **text**, and not as screenshots and/or images of the text you wrote.

Links and exact submission instructions will be posted to the LMS.