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| **Assessment Details and Submission Guidelines** | |
| **Unit Code** | BB203 |
| **Unit Title** | Network Security 1 |
| **Assessment Type** | Assignment 1 |
| **Assessment Title** | Identifying and combating emerging threats in Information Systems |
| **Purpose of assignment** | Identify common emerging threats, attacks, mitigation and countermeasures in networked information systems |
| **Weight** | 15% |
| **Total Marks** | 30 |
| **Word limit** | 1000-1500 |
| **Due Date** | Lab class week 6 on 3rd May 2018 |
| **Submission Guidelines** | * The assignment must be in MS Word format, 1.5 spacing, 11-pt Calibri (Body) font and 2.5 cm margins on all four sides of your page with appropriate section headings. * Reference sources must be cited in the text of the report, and listed appropriately at the end in a reference list using APA or **IEEE referencing style.** |

**Assignment Description**:-

Objective of this assessment is to identify common emerging threats, attacks, mitigation and countermeasures in networked information systems.

**Your deliverable for this assessment is to write a report for topic: CLOUD SECURITY**

**Provided Scenario**

You have been hired as an IT Security Consultant for Gigantic Corporation (your specialisation is based on the topic you have chosen above). Your role is to liaise between business stakeholders and technologists, translating potential emerging threats and attacks faced by Corporation and providing feasible countermeasures so corporation can take security decisions more effectively.

**How to complete this task:**

• You will write a report on any one of the topic based on the above scenario.

• Your report must be a Microsoft Word document, 1000 – 1500 words, 12 point font and single spacing.

• Discuss your research findings with valid scholarly sources and include table/graphs to support your arguments.

**The report must address the following criteria:**

• An Executive Summary at the beginning of the report which provides a clear statement of the emerging threats and attacks being assessed.

• Identify and explain emerging threats agents based on vulnerabilities and consequences derived from Networked Information Systems and any existing industry recommendations for the selected topic.

• Discuss potential damages these threats and vulnerabilities could cause if exploited.

• What are the challenges and issues faced by corporation to control these threats?

• Provide detail mitigation and countermeasure strategies that will impact the networked information system

**Marking Guide:-**

Example of marking criteria is shown in following table. Marks are allocated as follows:

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| **Section to be included in the report** | **Description of the section** | **Marks** |
| Executive Summary | Student should describe purpose of report and statement of threats and attacks being discussed in report. | 3 |
| Identification of threats and attacks | Student should identify and discuss in detail relevant security threats and attacks for the selected topic | 5 |
| Potential damages | Student should list down and explain potential damages these threats could cause if exploited | 5 |
| Challenges/Issues | Student should identify and relate challenges/issues faced by corporation to control these threats. | 5 |
| Mitigation and countermeasure strategies | Student should discuss mitigation and countermeasure strategies relevant to threats identified in earlier part of this report | 5 |
| Summary/Conclusion | Student should conclude how these threats and mitigation strategies is going to impact the networked information systems | 2 |
| Reference style | Follow IEEE reference style | 5 |
|  | Total | 30 |