**ASSIGNMENT 1 FRONT SHEET**

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| **Qualification** | **BTEC Level 5 HND Diploma in Computing** | | |
| **Unit number and title** | Unit 5: Security | | |
| **Submission date** | 5th/08/2022 | **Date Received 1st submission** | 3rd/08/2022 |
| **Re-submission Date** | - | **Date Received 2nd submission** | - |
| **Student Name** | Hanh Omar | **Student ID** | GCH2349090 |
| **Class** | GCH1002 | **Assessor name** | Michael Omar |
| **Student declaration**  I certify that the assignment submission is entirely my own work and I fully understand the consequences of plagiarism. I understand that making a false declaration is a form of malpractice. | | | |
|  |  | **Student’s signature** |  |

**Grading grid**

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| --- | --- | --- | --- | --- | --- | --- |
| P1 | P2 | P3 | P4 | M1 | M2 | D1 |
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| **❒ Summative Feedback: ❒ Resubmission Feedback:** | | |
| **Grade:** | **Assessor Signature:** | **Date:** |
| **Lecturer Signature:** | | |

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**The organizational academic Report structure is Recognized**

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| **#** | **Below are the comments based on your report.** | |  |
| **P1** | Identify the types of security threats to organizations. | Define threats: Identify threats agents to organizations:   * **Threats agents**   + Mother nature     - * Human-agent       * Natural Agents   + Nations   + Corporations   + Organized crimes   + Terrorists   + Employee   **List type of threats that organizations will face:**   * + - * + Hackers         + Malware         + Viruses   What are the recent security breaches?  List and give examples with dates:  Discuss the consequences of this breach: Suggest solutions to organizations: |  |
| **P2** | Describe at least three organizational security procedures. | Organizational security procedure:   * Incidence response policy * AUP Acceptable use policy * Security Policy   + Human resource policy   + BCP Business continuity policy |  |
| **P3** | Identify the potential impact on IT security of incorrect firewall policies and IDS configuration. | Discuss firewalls and policies, their usage, and advantages in a network briefly: How does a firewall provide security to a network?  Show with diagrams the example of how a firewall works:  Define IDS its usage, and show it with diagrams examples:  Write down the potential impact (Threat-Risk) of a firewall and IDS if they are incorrectly configured in a network: |  |
| **P4** | Show, using an example for each, how implementing a DMZ, static IP, and NAT in a network can improve Network Security. | Define and discuss DMZ:  DMZ usage and security function as an advantage:  Define and discuss static IP.  Static IP usage and security function as an advantage:  Define and discuss NAT:  NAT its usage and security function as an advantage: |  |
| **M1** | Propose a method to assess and treat IT security risks. | Optional |  |
| **M2** | Discuss three benefits of implementing network monitoring systems with supporting reasons | Optional |  |
| **D1** | Investigate how a ‘trusted network’ may be part of an IT security solution. | Optional |  |
|  |  |  |  |
|  | **10 minutes of PowerPoint and an additional speaker** | |  |
|  |  | |  |
|  | **Document formatting** | Your document format, justification, fonts and size are fairly ok. | . |
|  | **References:** | Harvard referencing style |  |
|  | **FrontPage:** |  |  |
| **NOTE** | You must write all questions clearly with the corresponding number, such as P1, P2, P3, or P4, followed by the answer. | |  |
|  | **File naming convention:**  *Your full name and student Id required, with the course name* | Filename | [1623-ASM1-GCH1002-](https://cms.greenwich.edu.vn/pluginfile.php/125204/assignsubmission_file/submission_files/351441/Assignment%201%20done.pdf?forcedownload=1) Bùi Hương Linh.PDF |
|  | **Introduction/ Contents** |  |  |
|  | **Conclusions /** |  |  |