7907ICT

Workshop Document

**This document is where you write-up the TEN weekly workshop tasks, each one of which is worth 10% of your total marks.**

# How to Approach these workshops (1 - 10)

This document lays out the ten workshop exercises to be completed each week. Either during the workshop session or at another time at your convenience. It contains detail of the task, plus a read-made template to be used when answering the questions.

This is the document that will be submitted for marking in two stages; Part A in week 6 to include workshops 1 through 5. Part B submitted in Week 11 to include weeks 6 to 10.

Key points to note:

* The output of each workshop is a **600-word written report**.
* Write your 600-word report into this workbook, accumulating them until you have completed all ten, then submit it via the Turnitin portal at the bottom of the assignment page of the course website.
* Don’t be tempted to leave doing the workshop write-up until the week the submission. It is a fact that we usually under-estimate the amount of work needed.
* As per university policy, extensions to the allowed time to submit can be granted with the necessary documentation. But please bear in mind that the IT industry is a very deadline driven profession.
* The workshops follow a similar format. Once you become familiar with the process, you should be able to work through the ten workshops over the duration of the course.
* The workshops can be completed individually or in discussions with groups of 2-4 students. Your submission will be an individual one, not a group submission.
* Ensure your report has clear headings for each.
* Try to do one workshop write-up per week.
* Avoid directly copying and pasting information from online sources, including generative language models like ChatGPT or other.

# Module 1: Evaluating IT Governance Frameworks

*<Structure your answers to have a subheading for each specific question being asked in the Task description. This makes it easier for the marker to see if you have answered each point.>*

*<Delete all text contained in angle brackets before submitting. This text is advisory only and should not count towards the wordcount>*

**<Your Exercise Title>**

### Introduction

As a CISO, my primary job is to implement cybersecurity in our company, especially our services are finance-related, it could involve in a huge amount of funding, so we should bring the security level to a higher level than other normal companies. The spirit of cybersecurity is protection and prevention, in other words, the main task for me is to make sure that the data in our company is safe and our operation is aligned with the regulations and laws. Furthermore, I should find out the vulnerability of our system or services and fix it before it is exposed to potentially attackers. Based on my knowledge, I will analyse the issues our company has encountered recently and select an IT government framework (or multiple) to address these troubles.

### <content>

#### <IT GoverNMENT FRAMEWORKS>

COBIT and ITIL are the two most popular IT government frameworks in this industry, while it’s difficult to select between COBIT, ITIL or combination of these two frameworks. As a junior CISO, I don’t have much experience and we only have limited resources to deal with these issues. Furthermore, I want the process to be as simple as possible and the troubles can be solved in a very short time, so I would choose ITIL framework as the final resolution. The reason I don’t choose COBIT is that it is a comprehensive framework which covers 37 processes so it may take much time to understand the details and deploy it. So as combination of two frameworks, I don’t want to make it too complicated so that I can fix the issues as fast as possible. In the following, I am going to analyse the pros and cons of the framework I select – ITIL.

#### <ITIL>

ITIL is a comprehensive framework which is dedicated to aligned with business goals and customers’ needs by providing reliable IT services. One of the key principles of ITIL is “focus on values”, which ensures that the purpose of management is to deliver better services to customers and elevate customer satisfaction. Another core component of ITIL is continuous improvement by collecting feedback, learning from mistakes and making changes, it could form a good culture in our organisation and bring our services to the next level.

#### <Challenges>

Based on what I know about these IT government frameworks, I think there is no one framework can completely be applied to any organisation. When it comes to implementation, it is necessary to customise some of the content to fit the specific context, like I said, I am a junior CISO, so I might need a consultant to discuss with the really detailed process to implement this framework. Another challenge we may have is that as our business growing, we may need a framework encompassing a broader range of IT management, like COBIT, so we may need extra cost to transform our framework by the time.

### Conclusion

### References

<Use APA referencing style>

<References not included in wordcount>

# Module 2: Developing an Ethical Hacking Policy

**<Your Exercise Title>**

### Introduction

### <content>

#### <SubHeading>

#### <SubHeading>

#### <SubHeading>

### Conclusion

### References

<Use APA referencing style>

<References not included in wordcount>

# Module 3: Data Breach Response Plan

**<Your Exercise Title>**

### Introduction

### <content>

#### <SubHeading>

#### <SubHeading>

#### <SubHeading>

### Conclusion

### References

<Use APA referencing style>

# Module 4: Assessing Incident Management Maturity

**<Your Exercise Title>**

### Introduction

### <content>

#### <SubHeading>

#### <SubHeading>

#### <SubHeading>

### Conclusion

### References

<Use APA referencing style>

<References not included in wordcount>

# Module 5: Ethical AI Case Study Analysis

**<Your Exercise Title>**

### Introduction

### <content>

#### <SubHeading>

#### <SubHeading>

#### <SubHeading>

### Conclusion

### References

<Use APA referencing style> <References not included in wordcount>

**When Modules 1 to 5 are complete submit this document via Turnitin link at bottom of Assignment 1A description page on course website.**

**Beginning of Checkpoint B**

# Module 6: The Ethics of Open-Source Software Licensing

**<Your Exercise Title>**

### Introduction

### <content>

#### <SubHeading>

#### <SubHeading>

#### <SubHeading>

### Conclusion

### References

<Use APA referencing style>

# Module 7: Cyber Forensics and Intelligence Analysis

**<Your Exercise Title>**

### Introduction

### <content>

#### <SubHeading>

#### <SubHeading>

#### <SubHeading>

### Conclusion

### References

<Use APA referencing style>

# Module 8: Ethical and Inclusive Technology for Social Good

## Exercise Write-up

**<Your Exercise Title>**

### Introduction

### <content>

#### <SubHeading>

#### <SubHeading>

#### <SubHeading>

### Conclusion

### References

<Use APA referencing style>

# Module 9: Assessing Cyber Risk and Insurance Needs

**<Your Exercise Title>**

### Introduction

### <content>

#### <SubHeading>

#### <SubHeading>

#### <SubHeading>

### Conclusion

### References

<Use APA referencing style>

# Module 10: Balancing Privacy and Security in Remote Work Policies

**<Your Exercise Title>**

### Introduction

### <content>

#### <SubHeading>

#### <SubHeading>

#### <SubHeading>

### Conclusion

### References

<Use APA referencing style>

**When Modules 6 to 10 are complete submit this document via Turnitin link at bottom of Assignment 1B description page on course website.**

**NOTES**