

**Cardiff Metropolitan  
University  
B.Sc. (Hons) in Software Engineering  
Assignment Cover Sheet**

| Student Details ( Student should fill the content)  |   |  |                   |             |
|---|---|--|-------------------|-------------|
| Name  |   |  |                   |             |
| Student ID  |   |  |                   |             |
| Scheduled unit details  |   |  |                   |             |
| Unit code   | CIS6004   |  |                   |             |
| Unit title  | Professional & Ethical Issues in IT   |  |                   |             |
| Unit enrolment details  | Year  |  | 3                 |             |
|   | Study period  |  | 2023/2024         |             |
| Lecturer  |   |  |                   |             |
| Mode of delivery  | Full Time   |  |                   |             |
| Assignment Details  |   |  |                   |             |
| Nature of the Assessment  | WRIT1 – Coursework  |  |                   |             |
| Final Grade Weighting   | 100%  |  |                   |             |
| Topic of the Case Study   | Identifying and assessing Ethical, social, legal and professional issues in a selected technology./case study/ information system |  |                   |             |
| Learning Outcomes covered   | LO1, LO2, LO3   |  |                   |             |
| Word count  | 4000 words equivalent   |  |                   |             |
| Due date / Time   | Jan 2024  |  |                   |             |
| Extension granted?  | Yes   | No   | Extension Date    |             |
| Is this a resubmission?   | Yes   | No   | Resubmission Date |             |
| <p>I certify that the attached material is my original work. No other person's work or ideas have been used without acknowledgement. Except where I have clearly stated that I have used some of this material elsewhere, I have not presented it for examination / assessment in any other course or unit at this or any other institution</p> |   |  |                   |             |
| Name/Signature  |   | Date   |                   |             |
| Submission  |   |  |                   |             |
| Return to:  |   |  |                   |             |
| Result  |   |  |                   |             |
| Marks by 1 <sup>st</sup>  |   | Name & Signature of the 1 <sup>st</sup> Assessor |                   | Agreed Mark |
|   |   |  |                   |             |

|                             |  |  |  |  |
|-----------------------------|--|--|--|--|
| Assessor                    |  |  |  |  |
| Marks by 2nd Assessor       |  | Name & Signature of the 2 <sup>nd</sup> Assessor |  |  |
| Comments on the Agreed mark |  |  |  |  |

## ASSIGNMENT FEEDBACK SHEET

|  |                                |   |
|--|--------------------------------|---|
| <b>STUDENT NAME:</b>   |                                | <b>STUDENT NUMBER:</b>                    |
| <b>Module Number &amp; Title:</b>  |                                | <b>Semester:</b>                          |
| <b>Assignment Type &amp; Title:</b>  |                                |   |
| <b>For student use: <i>Critical feedback on the individual progression towards achieving the assignment outcomes</i></b>         |                                |   |
|  |                                |   |
| <b><u>For the Assessors' feedback</u></b><br><b>Indicate the Task number strength and Weaknesses and the marks for each task</b> |                                |   |
| <b>Task No/<br/>Question No</b>  | <b>Feedback (1st Assessor)</b> | <b>Feedback (2<sup>nd</sup> Assessor)</b> |
|  |                                |   |

|  |                                   |                                   |                                      |                      |  |
|--|-----------------------------------|-----------------------------------|--------------------------------------|----------------------|--|
| <b>Areas for future improvement</b>        |                                   |                                   |                                      |                      |  |
| Comments by 1 <sup>st</sup> Assessor       |                                   |                                   | Comments by 2 <sup>nd</sup> Assessor |                      |  |
| <b>Marks</b>                               |                                   |                                   |                                      |                      |  |
| Task /Question No                          | Marks by 1 <sup>st</sup> Assessor | Marks by 2 <sup>nd</sup> Assessor | Marks by IV (if any)                 | IV comments (If Any) |  |
|  |                                   |                                   |                                      |                      |  |
|  |                                   |                                   |                                      |                      |  |
|  |                                   |                                   |                                      |                      |  |
| Total Marks                                |                                   |                                   |                                      |                      |  |
| Name and the Signature of the 1st Assessor |                                   |                                   |                                      | Date:                |  |
| Name & Signature of the 2nd Assessor :     |                                   |                                   |                                      | Date :               |  |
| Name & Signature of the IV: (If any)       |                                   |                                   |                                      | Date :               |  |

## Assignment Brief

### Purpose:

This assignment intends to assess students' ability to perform research on a selected problem area related to the information systems environment of an organization and investigate ethical, legal and professional dilemmas of the selected organization/ context and provide recommendations with sound justifications.

### Introduction

Select a technology, case study, or information system relevant to the module scope (E.g.: IOT, Big Data, Privacy, Social Media, IP, Surveillance system etc.) and conduct research to identify the relevant ethical, social, legal and professional concerns related to the selected topic. Evaluate and discuss the issues identified covering the following tasks.

### Task 1 – Research (80 Marks)

Write an essay of **approximately 4000 words** covering the following areas related to the chosen topic.

- a) Identify the issues in terms of ethical, legal professional and social concerns of the selected topic. Critically evaluate different perspectives of the issues/concerns raised by applying relevant ethical principles, Acts and professional codes of conduct. **(35 Marks) (LO1) (LO2)**
- b) Discuss the different perspectives, and arguments raised by other writers who have researched the ethical, legal, social and professional concerns of the same technology/ topic. Use creditable sources to conduct the research **(20Marks) (LO1) (LO2)**
- c) Provide recommendations to mitigate the issues identified. Recommendations should be based on credible sources. **(10Marks) (LO1) (LO2)**
- d) Discuss the importance of an ethical approach for the chosen topic and explain how it is helping an IT professional in his professional development. **(10Marks) (LO3)**
- e) Correct use of citation, referencing and use of credible and authoritative sources using Harvard referencing **(5 Marks)**

## **Task 2 – Presentation (20 Marks)**

15-minute presentation covering the following areas,

- A brief introduction to the topic
- Summary of the research, briefly discuss the Ethical, social, legal and professional issues related to the topic **(LO1) (LO2)**

## **Marking Scheme**

### **Learning Outcomes:**

- Critically consider the wider legal, social, professional and ethical environment for IT professionals. **(LO1)**
- Critically discuss contemporary issues at the intersection of computing, technology, economy, politics and society. **(LO2)**
- Demonstrate appreciation of the importance of a professional and ethical approach to computer science, software engineering and information systems, along with the importance of lifelong professional development. **(LO3)**

**Learning Outcomes covered from the coursework. LO1, LO2, LO3**

## Marking criteria – Task 1

| Marks                     | Description of the criteria  |
|---------------------------|--|
| <b>Part a) (35 marks)</b> |  |
| 32-35                     | An excellent set of issues have been identified. Evidence and justification were provided for the facts gathered from the sample. Excellent discussion was provided. Different perspectives were considered and excellent application of the relevant principles, theories, code of conduct and Acts. Creditable sources used.   |
| 23-31                     | A very good understanding of the subject scope has been demonstrated and the discussion of different perspectives of stakeholders. Application of the theories, principles, code of conduct and Acts at a good level. Good writing style, referencing and citation are correct.  |
| 18-22                     | Issues have been identified successfully with examples, demonstrating a basic understanding of the subject scope. The basic discussion is presented by referring to a few different perspectives. Reasonable level of application of the relevant principles, theories code of conduct and regulations.  |
| 0-17                      | No or very few issues have been identified. Not enough evidence was presented to demonstrate the research conduct. Poor discussion and no evidence of the applicability of the different theories given in the report. Poor analysis of the different perspectives of the sample. No or poor application of the relevant theories, principles, code of conduct and acts. |
| <b>Part b) (20 Marks)</b> |  |
| 15-20                     | Excellent answer with outstanding arguments and discussion of the renowned and reliable authors' perspectives. Discussion is critical and an excellent set of arguments were raised. A good list of references is given and the citation is accurate.  |
| 11-15                     | Very good evaluation with a critical discussion of the others' perspectives. The sources selected are reliable and a critical discussion of the other writers' perspectives was given. Citations and referencing are accurate.   |
| 6-10                      | Satisfactory analysis of other writers' perspectives and a reasonable amount of credible sources were chosen. Citation and referencing are done correctly  |



|                           |   |
|---------------------------|---|
|                           | although some minor mistakes are present.   |
| 0-5                       | Poor or no analysis of the other writers' perspectives.   |
| <b>Part c) (10 Marks)</b> |   |
| 8-10                      | Excellent set of recommendations which are practical, specific and relevant to the identified scenario/ topic. Solutions and recommendations have been justified pointing out the improvement which can bring along with them.                              |
| 6-7                       | A good set of recommendations was suggested and provided justification with creditable source   |
| 4-5                       | The recommendation was given at a satisfactory level. Justification is given with few credible sources  |
| 0-3                       | No or very few sets of recommendations and suggestions were given. Recommendations (if given) are not practical and specific.   |
| <b>Part d) (10Marks)</b>  |   |
| 8-10                      | Excellent discussion has been carried out on off importance ethical approach on the chosen topic with evidence with justification Given an excellent set of examples and evidence of how the ethical approach is helping the development of IT professional |
| 6-7                       | Has discussed a good set of importance with evidence with justification Has discussed how ethical approach is helping the development of IT professionals with justification  |
| 4-5                       | A satisfactory level of discussion was provided highlighting the importance of an ethical approach in helping the development of IT professionals, providing justification with little evidence   |
| 0-3                       | No or very few importance were discussed. Has not discussed how ethical approach is helping the development of IT professional  |
| <b>Part e) (05Marks)</b>  |   |
| 4-5                       | A very good set of sources is used and proper citation and referencing is done. citations and the reference list do match. Creditable source used. Followed Harvard referencing properly.   |
| 2-3                       | Correct use of citations but, the number of sources used is not sufficient. Used Harvard referencing.   |

|     |  |
|-----|--|
| 0-1 | No or very few citations in the body. Incorrect use of citation and compilation of only the reference list without body citation. Citations and the reference list do not match. |
|-----|--|

## Task 2: Marking Criteria

| Topic  | Marks     |
|--|-----------|
| The introduction to the topic                              | 2         |
| Clear and precise presentation (slides and verbal)         | 3         |
| <b>Summary of the research</b>                             |           |
| • Ethical issues   | 3         |
| • Legal Issues   | 3         |
| • Professional Issues                                      | 3         |
| • Social Issues  | 3         |
| <b>Reference:</b>  |           |
| Harvard referencing with accurate use of in-text citations | 3         |
| <b>Total</b>   | <b>20</b> |

## Final Grading criteria for the coursework

| Marks | Final Grade |
|-------|-------------|
| >=70  | 1           |
| 69-60 | 2:1         |
| 59-50 | 2:2         |
| 49-40 | 3           |
| <40   | fail        |