This document is for Coventry University students for their own use in completing their assessed work for this module and should not be passed to third parties or posted on any website. Any infringements of this rule should be reported to [facultyregistry.eec@coventry.ac.uk](mailto:facultyregistry.eec@coventry.ac.uk).

**Assignment Brief 2020**

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| **Module Title:**  Introduction to Computer Security | **Group:** | Cohort | **Module Code:** STW120COM |
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| **Coursework Title**  Group Project | | | **Handout Date:** |
| **Lecturer**  Er. Santosh K. Thakur | | | **Due Date:** |
| **Estimated Time(hrs):** 10  **Word Limit:** | **Coursework Type:**  Written Assignment | | **% of Module Mark:**  50% |
| **Submission arrangement online via Softwarica’s Moodle:**  File types and method of recording: Submission should be with one file Mark and Feedback date**:**  Mark and Feedback method: Mark and Feedback file will be released on Moodle | | | |

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| **Module Learning Outcomes Assessed:**   1. Describe the digital security landscape in the form of risks, threats, attacks, adversaries and security 2. Discuss the different technologies that constitute the security mechanisms at various levels in a digitally networked environment. 3. Design and develop differing strategies used for security management and critically review their legal, ethical and social implications. 4. Present technical solutions to a non-technical audience in an industry standard format concepts. 5. Explore the fundamental concept behind computer and network security particularly in relation to the confidentiality, integrity and availability (CIA Triangle) |
| **Notes**   1. You are expected to use the [CUHarvard](https://curve.coventry.ac.uk/open/file/bdfb947c-9d43-48d3-8ec8-f511682e1dd1/1/The%20CU%20Guide%20to%20Referencing%20in%20Harvard%20Style.pdf) referencing format on any written work. For support and advice on how this students can contact [Centre for Academic Writing (CAW)](https://www.coventry.ac.uk/caw/). 2. Please notify your registry course support team and module leader for disability support. 3. Any student requiring an extension or deferral should follow the university process as outlined at [here](https://share.coventry.ac.uk/students/Registry/Pages/Deferrals-and-Extension.aspx) 4. The University cannot take responsibility for any coursework lost or corrupted on disks, laptops or personal computer. Students should therefore regularly back-up any work and are advised to save it on the University system.   If there are technical or performance issues that prevent students submitting coursework through the online coursework submission system on the day of a coursework deadline, an appropriate extension to the coursework submission deadline will be agreed. This extension will normally be 24 hours or the next working day if the deadline falls on a Friday or over the weekend period. This will be communicated via email and as a Softwarica’s Moodle announcement.  6. Assignments that are more than 10% over the word limit will result in a deduction of 10% of the mark i.e. a mark of 60% will lead to a reduction of 6% to 54%. The word limit includes quotations, but excludes the bibliography, reference list and tables. |

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| **Task and Marks distribution:** |
| All the contents of the project report should be in ‘**Arial’** font, and the **size should be 12** throughout. All the text should be left with the ‘**justified’** option with **line spacing of 1.5**. The length of the overall document should be around **12 to 15 pages** for it to be an effective project report.  **Group Project: Task 1 [ Total Marks:100]**  **Section 1 (400 words +/- 10%)**  Being a security engineer in an ISP (internet service provider), whose major job is to provide internet, intranet and email service to the customer.  You are responsible for managing the security of the company and system audit periodically. In this given scenario  1.1 Why do we need security?  1.2 Discuss briefly about 5 major asset of the company?  1.3 Discuss briefly about different types of threats that can hamper the asset of the company?  1.4 Discuss briefly about the type and motive of adversaries?  1.5 Define briefly about types of attack?  **Section 2 (400 words +/- 10%)**  ISP has lots of information like customer traffic, customer information and customer email. Data should not be accessible to the unauthorized person.  2.1 Discuss about the different users in the company considering the authority they  have in the system?  2.2 Discuss about the various technologies that can be implemented to secure the  Systems.  **Section 3 (300 words +/- 10%)**  3.1 What are tool and technologies used to achieve the goal of information security and ethics?  3.2 What do you mean by information security risk management?  **Section 4 (250 words +/- 10%)**  4. In every organization there are lots of employee other than IT person. Provide a  plan to train the non-technical person in your organization.    **Section 5 (250 words +/- 10%)**  5. What is CIA triad? Explain with example. |

**Marks breakdown**

16 marks for properly addressing the Section 1.Each sub section contains equal marks.

16 marks for properly addressing the Section 2.Each sub section contains equal marks.

16 marks each for properly addressing the Section 3, 4 and 5 respectively.

10 marks for report reflecting the output.

10 marks for viva.

**Mark allocation guideline to students**

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| **0-39** | **40-49** | **50-59** | **60-69** | **70-79** | **80+** |
| Incomplete work / Weakness in most areas. | Relevant elements missing. Weakness in  some areas. | Strong elements included. Minor  weakness. | Strength in most areas. | Standard maintained in the work. | All work substantially exceeds the standard expected. |

**Marking Rubric**

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| **GRADE** | **Tutorials Exercise** | **Analysis of Each Section** | **Reflective Report** | **Presentation** |
| **First**  **>70** | All sections of the task have been completed with fulfilling the objective of the course. | Excellent concept of Risk assessment understanding of digital security landscape, level of users to access data, the legal ethical implications of the cyber security, and the fundamental concept of the CIA Triangle  Have proper coherence and proper critical analysis in the report | Excellent structured.  Understanding of different issues associated with the report.  Properly addressed every sections of the task | Excellent Presentation with cover pages, table of contents, page numbers, figures well labeled, |
| **Upper Second**  **60 to 69** | At least 4 sections have been completed and remaining attempted using correct procedure but with minor mistakes | Have a very good understanding of various digital security landscape, and most of the objectives of the module  Have critically assessed the most sections and presented proper analysis  Coherence of the report is very good | Well Structured.  Understanding of different issues associated with the report. | Very  good Presentation with cover pages, table of contents, page numbers |
| **Lower Second**  **50 to 59** | At least 3 sections have been completed and remaining attempted using correct procedure but with minor mistakes | Have a good understanding of the some risk assessments and digital security landscapes  Limited understanding of other components of the objective  Have some critical analysis but limited to some extend or vaguely described | Well Structured.  Understanding some issues associated with the report | Good Presentation with cover pages, table of contents, page numbers |
| **Third**  **40 to 49** | At least 2 sections have been completed and remaining attempted using correct procedure but with minor mistakes | Superficial description of very sections  Presentation of the sections of the task but have limited understanding  Minimal explanation with limited critical analysis | Reflective report is mostly descriptive.  Understanding the basic sections of the task | Fairly good  Presentation with some of  the following missing ; cover pages, table of contents, page numbers |
| **Fail**  **<40** | Have not addressed the questions or deviated from the objective of the task. | No evidence of theoretical engagement, critical analysis and minimal level of understanding | Very poor or No reflection | No attempt made |
| **Late Submission** | 0 | 0 | 0 | 0 |