# WQD7010 Network & Security Group Assignment Semester 2 2023/2024

Read the instruction carefully, form your group, and complete the given task.

# Assignment Topics

Students are required to do a term paper related to this subject. You can choose your suggested topics based on the following ideas:

1. Recent trends/advances in network security and its application
2. Case studies of recent cyber-attack in network security and its solution (if applicable)
3. Recent techniques in cryptography and its application
4. Recent issues in network security
5. Social Media Security
6. Small project base on the Network/Cyber Security education tools domain (with code and reports)

You may plan your assignment based on the idea presented above, or you may devise your own comparable project. When you mention recent, it must be 5 years and below (2019 until 2024).

**Report Guidelines**

Each written project will result in a detailed 10-20 page written report. The project report should be neat, readable, and self-contained. It is also should be written with the readers in mind. Any class member should be able to understand your report and benefit from the results you obtain. Therefore, you should include adequate references and/or background materials and you should use tables, diagrams, graphs, figures, and portions of printouts to enhance readers' comprehension of your project.

The following format is suggested. You don't have to follow it exactly. Some sections may not be needed, or additional sections may be necessary.

**(1)** Abstract. It comes first in your report, but you write it last.

**(2)** Introduction. Include background material and discuss the scope and limitations of your project.

**(3)** Literature Review. The previous work reported is related to your topic.

**(4)** Discussion. The body of your report. This includes the methodology used. Be sure to fully describe any figures, tables or diagrams you include. You can name it anything, not discussion, based on your chosen topic.

**(5)** Results.

**(6)** Conclusions.

**(7)** Recommendations, especially for future work (your opinions on this issue).

**(8)** References (must always be included) in IEEE format. Use endnote (or any other your preferred referencing software)

**(9)** Appendices, including supporting material as needed.

**(10)** Each team member's role in completing the assignment

# Group formation

1. Form a group of not more than 5 members and must be within your same group (G1, G2 or RL).
2. Every group member must contribute to the project.
3. The role played by and contribution of each member to the project must be included in the managerial report.

# Submission

Your group has to submit both the softcopy of your assignment. The name of the file should be *groupleadername-groupname.zip.*

Teams must submit a well-organized review term paper. The paper should clearly describe the topics to be undertaken, including the topic to be covered, any investigation, development, or experimentation to be conducted, the expected results, and the final form of the project (i.e., presentation or report).

# Important dates

1. Submission of softcopy (spectrum): (week 13th)

# Marking scheme: (10 marks)

1. Content and Coverage (4%)
   * Adherence to the chosen topic and assignment guidelines
   * Depth and breadth of research and analysis
   * Clarity and coherence of the discussions and arguments
2. Literature Review (2%)
   * Comprehensive review of relevant previous work
   * Proper citations and references in IEEE format
3. Writing and Communication (2%)
   * Clarity and effectiveness of written expression
   * Proper use of technical terminology and language
   * Inclusion of relevant diagrams, tables, and figures to enhance understanding
4. Collaboration and Individual Contribution (2%)
   * Evidence of effective collaboration and teamwork
   * Clear delineation of each team member's role and contribution in the report

Warning: **Plagiarism** is prohibited, should there be any evidence found, it will result in a **0%** on your assignment grades!

**Good luck and have fun!**