Essay Final – SGSI 2025

This essay will consist in the delivery of 4 PDF files, each one to address one of the questions below.

Please observe for that these general rues for each file:

- It must be uploaded in the respective project in Fenix
- It must have, as file name, the number of the student (only the number and nothing else)
- It must have in the top header of the file a line with structure: "Qx – NNNNN – nnnnn", where Qx identifies the question (Q1, Q2, Q3, or Q4), "NNNNN" is the student number (in 5 or 6 digits) and "nnnnn "is the student's name

Q1 – CIO Challenges Analysis (25%)

Task: Read the two posts in the document *EFinal-CIOchallenges.pdf*. Analyse them through the lens of each of the **four course themes**, producing both a theme-specific and an integrated view.

Deliverable: A single **1-page PDF file**, containing (be sure of the alignment between the conceptual map and the textual analysis):

- At the top a **conceptual map** of up to 12 concepts summarising the **integrated analysis** across all four themes.

- Followed by **four textual sections**, each corresponding to one of the course themes, providing a focused analysis from the respective perspective (Theme 1 to Theme 4, in order).

Q2 – Lecture Note Contribution Based on TNO Report (25%)

Task: Based on the content of *TNO-2023-R11803*, propose **two new sheets** for the course Lecture Notes:

- **Sheet 1:** Introduces core concepts from the document, framed within **Theme 1, 2, or 3** (you choose).

- **Sheet 2:** Provides a **strategic framing** of the subject, explicitly connected to **Theme 4**.

Deliverable: A single **3-page PDF file**, structured as:

1. **First page:** Two **conceptual maps**, each of up to 12 concepts summarising the structure of a sheet.

2. **Second and third pages:** One page per sheet, structured similarly to the lecture notes (1 or 2 columns, up to 600 words, with optional tables or images). Each sheet must be titled and explicitly reference its **related theme number**.

Q3 – Original Concept Sheet (25%)

Task: Propose **one new conceptual sheet** for the Lecture Notes: The sheet should introduce a concept or group of related concepts that you believe is important for this course but is currently missing or underdeveloped in the Lecture Notes (it may address emerging topics or overlooked, yet established, areas).

Deliverable: A single **1-page PDF file**, containing the sheet in the Lecture Notes style formatting (1 or 2 columns, up to 600 words, optional visuals), and with a clear and thematic title, referencing the **corresponding theme number**.

Q4 – Fictional Scenario: Professional Reflection (25%)

Task: Imagine that you successfully completed this course in the past and are now a senior professional working in a well-performing IT services firm. Construct a **fictional but plausible scenario** where you lead a team supporting a client from one of the business domains explored during the course project (you are free to choose what industry), and:

- A junior team member's **negative behaviour** forced you to intervene in a situation that ideally should not have needed your involvement.

- Another junior member proved **instrumental** in helping you address a major challenge that you could not have successfully resolved alone.

Deliverable: A single **1-page PDF file**, containing:

- At the top: the **narrative** of the fictional scenario.

- Below: an **explanation of its relevance** to the course, consisting of a **conceptual map** of up to 12 concepts highlighting the related course concepts and a **textual commentary**, assuring this links the story to concepts of the course.