

Cybersecurity Management

University of Minho

Master's Program in Cybersecurity

2025/2026

Practical Lab Exercises #05

I Questions

The meeting between the Senior Consultant and the Executive Board of the multinational healthcare provider in Dubai went well. Although there was a heated debate among the Executive Board members and no decision has yet been made regarding the adoption of the cloud-based patient management system, the CIO asked the Senior Consultant's team to prepare a draft of the information security policy for the use of this IT application.

The Executive Board noted that, in addition to the clinic use of the application by doctors, nurses, and diagnostic and laboratory technicians, patients should have access to their personal health records. Furthermore, the information contained in the patient management system could also be used for medical research purposes, by administrative staff for billing and front desk operations, by management for supervision, service improvement, coordination, and compliance, and by insurance companies for claims validation and reimbursement.

You received an email from your lead, with the Senior Consultant requesting the draft of the Information Security Policy.

1. Draft the Information Security Policy.
2. Discuss the quality of the Policy you prepared. (maximum response length: 500 words)

2 Deliverable

The deliverable for this assignment must be submitted as a PDF document formatted for A4 paper size. Each page should be numbered with Arabic numerals, right-aligned in the footer.

The first page of the deliverable must include the following information: name of the course, name of the academic institution, academic year, title of the practical lab exercises,

and identification of the students. Student identification should follow the structure: student number, m-dash, full name of the student, m-dash, program the student is enrolled. The identification of each student must appear on a separate line. Students in a group should be listed in alphabetical order by full name of the student.

Each answer must begin on a new page, corresponding to the question number. Answers may be written in Portuguese or English. Make sure your answers do not exceed the maximum word limit in questions where one is specified. At the end of each of those answers, provide the corresponding word count in square brackets.

Failure to follow these directives will result in a grade of zero for the assignment.

Each student must submit the deliverable individually, using the submission channel provided in the course community on the University of Minho's e-learning platform, by the deadline specified on that platform.

Students who do not submit the deliverable will receive a grade of zero. Submission attempts by other means or after the deadline will be rejected outright.

Prof. Filipe de Sá-Soares
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