ISEC-655 Information Security Governance Assignment 2 Guidelines

Objectives

Nowadays, information security governance has become a top priority in small, medium, and large organizations. This assignment aims to help students understand the issues in designing and deploying computer policies, procedures and controls, as well as analyze , design, and propose an implementation of information security governance plan.
The learning outcomes for this assignment are to provide students the opportunity to examine and analyze existing information security governance for a small to mid-size organization and propose a set of recommendations and a strategic direction to the board of directors.

Structure

This information security governance assignment is designed to provide students with hands-on experience solving real-world information security governance challenge. Students will respond to a set of questions outlined below.

The project will consist of one executive summary and one presentation. The presentation will require the preparation of a 15 minutes presentation to the company's board of directors (using PowerPoint with audio)

Assignment 1 Guidelines

Prepare a 15 minutes professional presentation with an executive summary of your analysis and solution, focusing on the following guidelines:

Consider your workplace or an organization that you are familiar with. Select an area of information security governance from the following list

1. Internet Security policy
2. Email use policy
3. Social media use policy
4. Data distraction policy
5. Old computers/devices sanitation policy
6. Annual cybersecurity training policy

1. Provide an overview of a small, medium, or large business that you are familiar with (current workplace, family business, etc.)
2. Define the current state of the Information Security Policy that is in place for the relevant topic selected above
3. Select one of the approaches that we learned about including:

- SABSA security architecture
- CobiT
- Capability Maturity Model
- ISO/IEC 27001, 27002
- National Cyber Security Summit Task Force Corporate Governance Framework

Then, address the following items (all required):

3.1. Indicate which approach you have selected and provide a brief logical support for your selection
3.2. Complete an analysis for each element, attribute, and characteristic using the particular framework to determine the gap between the current state and the desired state related to the policy area selected.
3.3. Describe the unmitigated risk(s) from the current policy, and what it will require to "fill" the gap. Specifically, will it require different processes, technologies, controls, and so on to address the unmitigated risk(s). (Hint: Gap analysis of the unmitigated risk)
3.4. Define the desired information security governance objectives and outcomes. (Hint: list in chapter 7, p. 47)
3.5. Define the desired security risk management objectives and outcomes. (Hint: list in chapter 8, p. 78)
3.6. Suggest the time recovery objectives associated with the plan that you are proposing to address the unmitigated risk(s). (Hint: p. 78)
3.7. Develop an information security strategy or suggest how to adjust the existing security strategy related to the area that you selected (Hint: p. 90)
3.8. Suggest an implementation plan, list the resources needed, and a plan on how to gather support from the board of directions/senior management.
3.9. Suggest a metric and monitoring process as well as compliance (Hint: p. 90)
3.10.   **Provide** your opinion about the potential challenges with the executive board as well as the implementation/compliance strategies. Are the objectives realistic and achievable? Are the objectives likely to achieve the desired outcomes? Predict the chances of success.

You will need to present your ideas to Dr. Ramim via a recorded presentation. Your PowerPoint presentation file (about 15 slides) should be submitted to the assignment box via Canvas prior to the presentation. Feedback will be provided following your submission to the assignment box. Also, you will need to provide an executive summary to Dr. Ramim (Word document format, essay style including section titles) addressing the key guidelines points above. Ensure to include a cover page with your name, the term (Fall 2020), the course name (ISEC-655), and the professor's name (Dr. Ramim), and a reference page (a minimum of 2 industry and academic peer reviewed references are expected.

* Express answers in your own words, avoid **excessive quotation of text**

**The Canvas submission-box has been set to accept multiple files submissions.

Any question about this assignment should be communicated to Dr. Ramim before, during, or after class sessions as well as via email: ramim@nova.edu