Final Project
IT Security Challenges, Best Practices and Emerging Trends
TASK GUIDE

Objective: To explore existing challenges, best practices, and emerging trends in the management of IT security across in different industries.

a. Healthcare
b. Education
c. Tourism/Hospitality
d. BPO Industry
e. Finance/Banking
f. Engineering and Architecture

Instructions:
1. The final paper is a review of related literature that focuses on the assigned industry.
2. Scope of the research:
   a. ***Current Challenges***
      - Research for the specific cyber threats and vulnerabilities that the industry is currently facing (e.g., DDos in school websites, data privacy in BPOs).
   b. ***Best Practices***
      - Research for an existing or common security mechanism in that industry.
      - Include the standard protocols and strategies used (e.g., compliance with Data Privacy Act, ISO standards).
   c. ***Emerging Trends***
      - If the adopted IT security best practices are successful, analyze the effectiveness of current IT security best practices.
      - If not, research for a new technologies or advancement in terms of security (e.g., AI in threat detection, IoMT (Internet of Medical Things)).
3. Project Requirements
   a. Follow IMRaD format
      - Provide at least three specific objectives that aim to achieve.
4. Formatting
   a. Margin: 1 inch on all sides
   b. Title: Font- Linux Biolinum, 14pt
   c. Authors, Heading, and subheadings: Linux Biolinum, 11pt
   d. Body: Linux Biolinum, 10pt
   e. Spacing: 1.15 space all text, including headings
   f. Indentation: Indent the first line of every paragraph (0.5 inches)
   g. Pagination: Top right
   h. References: APA citation style

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<u>Deliverables:</u>

1. Each group will have a maximum of 15 mins to present the research. All members will present.

   MWF Class

   Group 1 - 3 - December 5, 2025

   Group 4 - 6 - December 10, 2025

   TTHS Class

   Group 1 - 3 - December 9, 2025

   Group 4 - 6 - December 11, 2025

2. Submit a softcopy of your project on or before the due date.

   MWF Class - December 5, 2025

   TTHS Class - December 6, 2025

3. Submit one hard copy of your project and peer evaluation during class.

4. Late submissions shall be subjected to the following deductions:

   1 day: Total score * 85%

   2 days: Total score * 70%

   3 days – 5 days: Total score * 50

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RRL Rubric (70 points)

Criteria	Excellent (4)	Proficient (3)	Satisfactory (2)	Needs Improvement (1)	Score
Scope & Depth (x5)	Covers **Challenges, Best Practices, and Trends** comprehensively. Specific threats are analyzed with high detail.	Covers all three scope areas. Good identification of threats and standards, but analysis lacks some depth or specific industry nuance.	Covers the scope but arguably weak in one area (e.g., lists challenges but misses emerging trends). Generic info used rather than industry-specific.	Major sections of the scope are missing. Content is irrelevant to the assigned industry.	__/20
Objectives & IMRaD Structure (x3)	Includes **3 clear, specific objectives**. Follows IMRaD format perfectly. The flow from Intro to Discussion is logical and seamless.	Includes 3 objectives, though one may be vague. Follows IMRaD format. Transition between sections is generally good.	Less than 3 objectives or objectives are unclear. IMRaD format is attempted but sections are disorganized or mislabeled.	Objectives are missing. Does not follow the IMRaD format. Paper is unstructured.	__/12
Quality of Literature (x4)	Sources are highly relevant, credible, and up-to-date. Insightful synthesis of data rather than just listing facts.	Sources are relevant and credible. Good summary of data, but synthesis/analysis could be stronger.	Sources are somewhat dated or of questionable credibility. Heavily relies on general knowledge rather than research.	No sources cited or sources are inappropriate (e.g., Wikipedia only).	__/16
Formatting & Layout (x3)	**Strict adherence** to all rules: Linux Biolinum (14/11/10pt), 1.15 spacing, 1" margins, pagination, and indentation.	Adheres to most formatting rules but has minor errors (e.g., wrong font size or missed indentation).	Several formatting violations. Font or spacing is incorrect. Visually inconsistent.	Disregards formatting instructions entirely.	__/12
APA Mechanics & Grammar (x2.5)	Flawless APA in-text citations and reference list. Grammar and spelling are professional and academic.	Minor APA errors (e.g., punctuation in references). Good grammar with only minor typos.	Frequent APA errors. Noticeable grammatical issues that distract from the content.	No citations used or incorrect style. Poor grammar makes the paper difficult to read.	__/10

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Presentation Rubric (30 points)

Criteria	Excellent (4)	Proficient (3)	Satisfactory (2)	Needs Improvement (1)	Score
Content Mastery (x2.5)	Presenters demonstrate deep understanding of the research. Explanations are not just read from slides but elaborated upon.	Presenters are comfortable with the material. Good summary of the paper.	Presenters rely heavily on notes/reading slides. Understanding seems surface-level.	Presenters cannot explain their own research or provide incorrect information.	__/10
Organization & Delivery (x2)	Professional demeanor. Excellent eye contact and voice projection. Logical flow of presentation.	Good delivery and organization. Some minor pacing issues or lack of eye contact.	Presentation is disjointed or rushed. Low energy or difficult to hear.	Unprofessional behavior. No structure to the talk.	__/8
Visual Aids (x1.5)	Slides are clean, readable, and visually appealing. Enhances the content without being text-heavy.	Slides are neat and readable. Some slides may be text-heavy but are generally good.	Slides are cluttered, hard to read, or distracting.	No visual aids or extremely poor quality.	__/6
Team Participation (x1.5)	All members presented efficiently. Transitions between speakers were smooth and rehearsed.	All members presented. Some transitions were clunky or unequal speaking time.	Not all members presented OR significant imbalance in speaking time.	Only 1-2 members dominated the presentation.	__/6