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## How AI Cracks the Case: Unveiling the Future of Crime Investigation

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# Assignment Name: “How AI Cracks the Case: Unveiling the Future of Crime Investigation”

**Due Date: (TBD)**

**PURPOSE:** Students will work with artificial intelligence (AI) tools to create an innovative approach to investigating crime. Students will explore how AI can assist criminal investigations, from analyzing data and identifying suspects to enhancing evidence collection methods and advancing investigative strategies.

The goal is to deepen comprehension of investigative techniques. Students will gain awareness into how AI tools may reshape crime-solving processes and learn to integrate these techniques with traditional investigative practices. This experience will also highlight the evolving role of technology in law enforcement and its potential to drive more efficient criminal investigations.

**SKILLS:** For this assignment, students will need skills to utilize AI tools and analyze the results.

1. *Research Skills:* Ability to conduct thorough research to identify relevant AI tools and understand their capabilities and limitations in crime investigation.
2. *Critical Thinking:* Skill in formulating specific questions to guide the AI tool in generating useful information and evaluating the accuracy of the AI’s responses.
3. *Technical Proficiency:* Comfort using AI tools such as ChatGPT or other specialized investigative software.
4. *Analytical Skills:* Capacity to analyze the information provided by the AI, comparing it with traditional investigative methods and assessing its applicability to the real world.
5. *Report Writing:* Ability to organize findings clearly in a written report, including summarizing AI responses, analyzing their effectiveness, and discussing application.

**KNOWLEDGE:** 1) Knowledge of criminal justice procedures, investigative techniques, and legal considerations in order to use AI's suggestions and integrate them with established practices. 2) Knowledge of criminal investigation procedures which includes an understanding of the standard methods and practices used in investigating crime.

## **TASKS:**

- A) **Select a Crime:** Choose one of the following crime types: *cybercrime*, *white-collar crime*, *violent crime*, or a *property crime*.
- B) **Formulate Questions:** Using an AI tool (ChatGPT, other AI-based investigative tools), develop a list of 5–6 specific questions that guides your investigation of the chosen crime type. These questions should address certain aspects of the investigation, such as evidence collection, suspect identification, and legal considerations.
- C) **AI:** Interact with the AI tool to seek answers and insights based on your formulated questions. Record the exact responses provided by the AI. Ensure you ask for information relevant to:
  - *Investigation Techniques:* What methods or technologies are recommended for investigating this type of crime?
  - *Evidence Collection:* What types of evidence are crucial, and how should they be collected and preserved?
  - *Suspect:* What characteristics or behaviors might be associated with perpetrators of this crime?
  - *Legal:* What are the key legal considerations and procedures investigators should follow?
- D) Write a 4–5-page (at least 1000-word report) summarizing your findings. The report must include:
  - Introduction: Briefly describe the crime type you investigated.
  - AI Interaction: Identify the questions asked and document AI’s responses.

- **Analysis:** Critically analyze the information provided by the AI. Discuss the effectiveness and reliability of the AI's suggestions and how they might align with traditional investigative methods and what we have learned in class.
- **Practical Application:** Explain how the insights gained from the AI could be applied in a real-world investigation.
- **Limitations and Considerations:** Address any limitations in using AI for criminal investigations.
- **Self-Assessment:** Reflect on your ability to discern the effectiveness of criminal investigative techniques suggested by AI and any strengths or weaknesses you possess to do so.

**E) Submission Requirements:**

- Submit your report as a document (PDF).
- Include an appendix with the questions asked of AI and AI's exact responses.

**CRITERIA FOR SUCCESS:** Students will receive instructions and resources, including guidelines on the objectives and the evaluation criteria for the assignment. Sessions may be conducted to introduce AI tools, demonstrate how to use them effectively, and formulate questions.

Access to library resources will be provided. Discussion forums and in-class discussions will offer additional opportunities for students to question AI responses. Feedback will be given on their questions and initial findings.

Support will be offered in writing by allowing draft reviews for preliminary feedback. Collaboration will be encouraged through group work or peer reviews, with regular office hours available for additional support. Progress will be monitored with various checkpoints.

To Note: AI gave me ideas about how AI could assist with investigations while I was creating this project.