Cybersecurity Project Midway Report Template

This should not be submitted in a numbered format, this should be a **report.** I am simply creating this **as a guide** to help you write the report.

Student Name(s): [Your Full Name(s)]
Project Title: [Insert Project Title]
Date: [Insert Submission Date]

1. Background and Problem Statement

Describe the context and motivation for your project. This section should answer:
- What is the cybersecurity issue or problem you're addressing?
- Why is this issue important or relevant?
- What is the scope of your project?
Example content: overview of phishing attacks, problem of IoT vulnerabilities, cloud misconfigurations, etc.

2. Methodology

Outline the approach or method(s) you've chosen to investigate or solve the problem. Be sure to include:
- Technical setup or frameworks chosen (e.g., use of Kali Linux, cloud lab, simulated IoT environment)
- Rationale for selecting these methods
- Tools or software used (e.g., Wireshark, Metasploit, AWS, Burp Suite)
- Any assumptions or limitations

3. Experimental Setup and Preliminary Results

Explain the work completed up to this checkpoint:
- Environment setup: Describe your testing environment, systems, and configurations
- Tasks completed: Describe simulations, tests, data collection, or analysis done so far
- Observations or early findings (if applicable)
- Screenshots or sample output (as appropriate)

4. (Optional) Related Work

Briefly reference academic papers, tools, or existing research relevant to your project:
- What has been done in this space before?
- How is your work similar or different?
- You may cite articles, technical blogs, or academic papers.

5. Next Steps

Provide a brief outline of what remains to be done:
- Additional experiments, testing, or implementation
- Expected challenges
- Final deliverables planned

6. (Optional) Appendices

Include relevant diagrams, figures, setup screenshots, or code snippets.