**Project Design Documentation Template:**

Last updated: June 13th, 2025

**1. Project Title & Version Control**

Give your project a clear and relevant name (e.g., “Secure Login API with Token Auth” or “Log Analyzer for Failed SSH Attempts”)

*Version Control*

Version: DRAFT

Date: MM/DD/YYYY

Change Log: N/A

**2. Project Summary (2–3 sentences)**

What is your project about and why does it matter?

# 3. Problem Statement / Use Case

What real-world problem does this solve? Who would use this?

# 4. Goals and Objectives

List 2–3 clear and specific technical goals of your project.

# 5. Key Features / Functions

What are the main things your project will do?

# 6. Tech Stack and Tools

Languages, frameworks, platforms, or security tools you'll use (e.g., Python, Flask, PostgreSQL, Zeek, Wireshark)

# 7. Architecture / Workflow Diagram

Algorithm and Flowchart for project

# 8. Timeline / Weekly Milestones

|  |  |
| --- | --- |
| Week | Outcome |
| Week 1 |  |
| Week 2 |  |
| Week 3 |  |
| Week 4 |  |

# 9. Risks and Risk Mitigation

What risks are there to successful completion of the project and what can you implement to mitigate the impact of those risks.

# 10. Evaluation Criteria

How will you know this is done well? List at least 3 measures of success.

# 11. Future Considerations

What long term maintenance or added functionality will be needed in the future