

# Week 1 Summary Report

## Executive Summary

The Week 1 assignment focused on SOC fundamentals, monitoring, log management, and incident response basics. Through theoretical study and practical exercises, analysts learned the essential workflows of a SOC environment.

This week provided a strong foundation in security operations, equipping participants with knowledge required to handle real-world threats.

## Tools Used

SIEM platforms (conceptual), log management tools, and visualization dashboards were studied.

Students also explored the role of security documentation in operational workflows.

## Key Learnings

Participants gained insights into SOC structure, event monitoring, and response workflows.

They understood the importance of documentation, dashboard visibility, and alert rule configuration in strengthening security operations.

## Challenges & Future Improvements

The main challenge was differentiating false positives from genuine threats in monitoring scenarios.

Future improvements include practicing advanced detection use cases and integrating automation into SOC processes.