**Weekly Report <WeekNumber: 3>**

**Capstone Project**

# **Participant name: RAJAN KUMAR SAHU**

# **Name / Title of the Project: Leadership Capstone**

*Please share the details of the tasks completed. We have given 4 tasks as a template, if you have completed more tasks, please remove the additiional task headings.*

*In case you are attempting both versions of the capstone, please indicate your progress for both the capstone projects.*

**Tasks completed:**

1. Task 6: Implementation Planning

To prepare a detailed control implementation plan, let's consider the identified controls and include the following elements for each control:

Control 1: Endpoint Security Solution

a. Type of control: Security software

b. Control ownership: IT department, specifically the security team

c. Coverage of the control: All company laptops and desktops

d. Recommended vendors with product names:

Symantec (NortonLifeLock): Norton Endpoint Protection

McAfee: McAfee Endpoint Security

Trend Micro: Trend Micro Apex One

e. Metrics to monitor:

Number of malware detections and blocked threats

System performance impact (e.g., CPU and memory usage)

Compliance with security policy (e.g., regular updates and scans)

Control 2: Data Backup and Storage Solution

a. Type of control: Data protection and backup solution

b. Control ownership: IT department, specifically the data management team

c. Coverage of the control: Critical files and data across the organization

d. Recommended vendors with product names:

Veeam Software: Veeam Backup & Replication

Acronis: Acronis Cyber Backup

Commvault: Commvault Complete Backup & Recovery

e. Metrics to monitor:

Backup success rate and completion time

Recovery time objective (RTO) and recovery point objective (RPO)

Storage utilization and data deduplication ratio

Control 3: Email Security Solution

a. Type of control: Email filtering and protection

b. Control ownership: IT department, specifically the email security team

c. Coverage of the control: Company email system and employee mailboxes

d. Recommended vendors with product names:

Proofpoint: Proofpoint Email Protection

Cisco: Cisco Email Security

Mimecast: Mimecast Email Security

e. Metrics to monitor:

Number of blocked spam and phishing emails

Detection and prevention of email-based threats

User training completion rates and phishing simulation results

***Note:*** The recommended vendors and product names provided are examples, and it is essential to evaluate multiple vendors based on your organization's specific requirements, budget, and compatibility.

For each control, the implementation plan should include further details such as deployment timelines, specific configuration requirements, integration with existing systems, and training for relevant teams. It's important to involve key stakeholders, assign responsibilities, and establish monitoring and reporting mechanisms to ensure the effectiveness of the implemented controls.

Additionally, ongoing monitoring of the identified metrics will help assess the controls' performance, identify any potential issues, and make necessary adjustments to maintain a robust security posture.

Please adapt the control implementation plan based on your organization's specific needs and consult with relevant experts and stakeholders to ensure a successful implementation process.