Assignment 3.3: Reflective Journal Entry

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Word limit	350 words
Topic	Integrating Disciplinary Knowledge

Thinking about disciplinary knowledge, I instantly remember the very first day of my internship where I used CVE (Common Vulnerabilities and Exposure) and Risk matrix table (likelihood vs impact). These were concepts that I had recently learnt about in my courses at university and are quite useful in identifying and prioritising the threats and vulnerabilities that the information assets (ie software, data, etc.) are facing. Thus they helped me not only classify all the weaknesses present in the various software that the company was currently using, but also allowed me to suggest possible mitigation methods!

Furthermore, I had also learnt how various attacks like DDOS, malware attacks, phishing, etc. worked in my previous semester. This helped me explain the company's current situation in a short, clear-cut, to-the-point manner and hence allowed me to quickly gain the permission to mitigate them (like setting up sanitization methods for SQL injection attacks on forms, etc.).

Moreover, during the internship, I had also learnt how to use ZOHO, which is a cloud software suit and SaaS application (Software as a service) used by the company to maintain website, database, calendar, alerts, task list, content, etc. Basically, it was the software that had been used to help the company run almost all aspects of their business. Thus, by working with it, I not only learnt how certain security features had actually worked (like CAPTCHA and OTP provided by ZOHO), but also saw how all other fields of IT (like web development aspects, data analytics, etc.) and business interacted with one another in a practical, live situation.

Overall, I now know not only how to integrate my theoretical skills into practical environment, but also the most effective way to learn new concepts and tools in a short time (ie by watching crash course videos, skim-reading through documentation files, etc.) . Furthermore, I also know how different departments and disciplines interact with each other in order to create a thriving business environment. Thus, I am sure all of these learning and experiences would definitely help me in developing my future career in Cyber Security..