KMITL Faculty of Computer Engineering - Intern

Reflection

Bachelor's degree Applied Computer Science
Application Development

Sohaib Ibenhajene

LID VAN ASSOCIATIE KU LEUVEN

THOMAS MORE

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1   INTRODUCTION

An internship is more than just working at a company; it's our first real step into the professional IT world, providing invaluable experience. It's about adapting to a new working environment and learning to navigate a professional setting. It also offers the chance to build lifelong relationships.

An internship can significantly impact a student's life, as many students receive their first job offers from their internship companies. It's a unique opportunity to grow both professionally and personally. Many students find that they become more mature after completing their internships.

In this document, I will reflect on my internship project at KMITL. I will discuss the outcomes of the project and whether all objectives were met. Additionally, I will share my personal reflections on the experience of interning abroad and how these 13 weeks in another country have changed me as a person.

2   CONTENT REFLECTION

The internship project at KMITL can be seen as a great success. We completed all the objectives outlined in our project scope, delivering a functional and efficient web application.

We developed a fully functioning borrowing platform for the students at KMITL, written in Next.js. This platform allows students to borrow a wide range of items from the school's inventory, from screwdrivers and rulers to laptops. The new application features a user-friendly interface and includes additional functionalities that were absent in the old system. These new features include options to repair products, import products, borrow consumable items, and more.

Our goal was to replace the outdated web application with a modern, efficient system. The old system had limited functionalities and was not user-friendly. By implementing the new system, we have significantly improved the user experience for both students and staff. The application is now more intuitive, efficient, and capable of handling a larger volume of transactions.

The project is fully completed and is already in use by the students and staff at KMITL. The feedback so far has been positive, with users appreciating the new features and improved usability. This immediate implementation demonstrates the project's practical value and its positive impact on the university community.

To ensure the continued development and maintenance of the web application, we created a comprehensive developer's manual. This manual provides detailed documentation to help new developers understand the system architecture, codebase, and functionalities. It includes guidelines on how to implement new features, troubleshoot issues, and perform updates. This resource will make it easier for future developers to continue improving and expanding the application.

For the future, I would advise the principal to continue monitoring user feedback and be open to iterative improvements. Technology and user needs evolve, so it's important to keep the application updated and responsive to these changes. Regular maintenance and updates will ensure that the system remains efficient and effective in the long run.

In conclusion, this project not only met all its objectives but also provided a significant enhancement to KMITL's inventory system. The new web application is a valuable asset for the institution, and I am proud of the contribution our team made during this internship. The groundwork we laid, including the developer's manual, ensures that the application can continue to grow and adapt to future needs.

3   PERSONAL REFLECTION

The internship has had a profound impact on my life, as it was the first time I left home for an extended period. This experience allowed me to grow not only as a professional but also as a person. I learned to step outside of my comfort zone, live independently, and become more confident in speaking with others. This personal growth was invaluable.

One of the key competencies I developed was communication. Being in Thailand, I had to communicate exclusively in English, which greatly improved my language skills. I learned to express myself clearly and effectively, even in challenging situations. This was particularly important when my mentors were not always available to assist me, and I had to solve problems and bugs on my own. This experience taught me to be resourceful and independent.

Additionally, the internship helped me improve my problem-solving skills. Working in a new environment with different tools and technologies, I often faced technical challenges that required me to think critically and creatively. The added pressure of being in an international setting also helped me enhance my stress management abilities. I learned to stay calm and focused under tight deadlines, which significantly improved my perseverance and ability to handle stress.

I received a lot of support from KMITL during my internship. The faculty was always approachable and willing to help with any administrative or logistical issues. However, I did miss having an expert in our specific field who could review our code and provide guidance when we faced uncertainties. Despite this, I learned to overcome these issues by myself, further enhancing my ability to work independently and find solutions to problems.

One of the biggest challenges I faced was the language barrier. In Thailand, most people speak Thai, and not many are fluent in English. This made everyday communication difficult at first. However, I quickly adapted by using tools like Google Translate, and over time, it became second nature to me. This experience taught me the importance of adaptability and finding solutions in difficult situations.

Overall, my time in Thailand was an invaluable experience. It not only allowed me to grow professionally by working on a significant project but also personally by overcoming various challenges. I am deeply grateful to both Thomas More and KMITL for providing me with this opportunity. It has been a journey of immense learning and personal development, and I will cherish the memories and lessons learned for the rest of my life.