

INDUSTRY VISIT : PETRONAS

17 NOVEMBER 2022



SUMMARY

In the time of our visit at the ExxonMobil tower, it was wonderful that we were welcomed by the staff of Petronas as they served us a complete breakfast meal to thank us for our visit as well as hyping up the morning.

We were then briefed by both the head of Software Engineer, Roman Kvaska and his fellow workmate Ninderjit Singh. We gained a lot in terms of job hunting skills during our adulthood, what to-do and not to do to get our desired jobs and most importantly our consistency and passion towards the job that we have been focusing on.

Then, we summed up our visit with capturing a bunch of photos with the speaker and a several QnAs to make up for our lingering thoughts. We also knew a lot about our future job scopes and role as a computer science major alongside its hustle to maintain our position including what we need to masters during our study to catch up with the latest tech trends around the globe.



TECHNOLOGIES AND ISSUES DISCUSSED

Artificial intelligence (A.I.) and its potential to replace human labor in the workplace is one of the technologies that we discuss during our visit. According to Mr. Roman, one of our speakers, students continue to be asking questions about this issue a lot because they are concerned about pursuing a profession in computer science.

The problems should not bother us because big organisation like Petronas don't rely on artificial intelligence to manage their data because human competence still outperforms artificial intelligence in terms of accuracy and precision. Furthermore, the large corporation feels that it cannot completely replace people because it cannot mimic human speech, lacks cognition like to that of a human, and has limited adaptability. Furthermore, AI lacks emotional intelligence and, for moral reasons, needs human supervision.



REFLECTION

From the talk given by Mr. Ninderjit Singh, we got to know about the infrastructure services that Petronas has and we also had learned about how Petronas utilize their technologies in order to communicate with the other branch or client throughout the world. Not only that, they also have a cybersecurity team in each department which control the access of their respective data and protect it from the outsiders.

On the other hand, Mr. Roman provided us with the skills that are crucial and required in Software Engineering field such as analytical thinking and problem-solving skills as well as programming skills. He also gave us the information about what kind of software and technologies that the software engineers of Petronas use in their daily task to manage their data and systems.

GROUP MEMBERS :

- AFIF SHAQIR IRFAN BIN ARQAM (A23CS0204)
- MUHAMMAD AFIQ DANISH BIN MOHD HAZNI (A23CS0118)
- MUHAMMAD ADAM BIN RAZALI (A23CS0116)
- MUHAMMAD SYAHMI FARIS BIN RUSLI (A23CS0138)
- AHMAD ZIYAAD BIN ABBAS (A23CS0206)

INDUSTRY VISIT : HUAWEI

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SUMMARY

During our visit to Huawei's facilities in Kuala Lumpur, we were introduced to a variety of their innovative products. This included their advanced server systems, designed to provide robust and reliable data management solutions.

We also had the opportunity to see their electric car chargers, a testament to their commitment to sustainable technology. Additionally, we were shown their solar panels technology, and also their future renewable energy sources technology. Huawei is also known as an independent company that has its own operating system, HarmonyOS (HMOS) that was launched in August 2019. They also own their own cloud computing which is Huawei Cloud.

The visit provided a comprehensive overview of Huawei's diverse product range and their efforts towards creating sustainable and efficient technological solutions. It was a clear demonstration of Huawei's position as a leader in the tech industry and their continuous efforts towards innovation and sustainability.



TECHNOLOGIES AND ISSUES DISCUSSED

During my recent visit to Huawei, I had the opportunity to delve into their cutting-edge technology and gain insights into the latest challenges faced by the company. Huawei, a global leader in telecommunications and information technology, is renowned for its innovative solutions and contributions to the tech industry. The visit provided a firsthand look at their state-of-the-art facilities, showcasing advancements in areas such as 5G technology, artificial intelligence, and telecommunications infrastructure.

Engaging in discussions with Huawei's experts shed light on the current issues and concerns within the industry. From navigating geopolitical challenges to addressing cybersecurity concerns, Huawei is at the forefront of tackling complex issues that impact the technology landscape. The visit not only offered a glimpse into the company's technological prowess but also provided valuable perspectives on the broader industry dynamics and the measures being taken to overcome obstacles. Overall, the experience at Huawei was both enlightening and informative, offering a comprehensive understanding of the company's technological achievements and the multifaceted issues it faces in today's dynamic tech environment.



REFLECTION

From this visit, we had gained the knowledge about Huawei's technologies and how it functions in real world. It is not only help the community to live their lives more efficiently, but it also contribute in education with the invention of smart boards. This board can help the lecturers to teach the students easily by not using any physical tools or books. So, both the lecturers and students can access their study materials virtually without bringing any laptops or books to the classes.

Furthermore, the "Intelligent Wind Power Network Solution" technology that Huawei is developing, which offers easy access and real-time data backhaul, impressed us.

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