

# INDUSTRIAL VISIT

# PETRONAS DIGITAL



credit: PETRONAS Digital Academy

## SUMMARY

We explored cloud innovation, understanding cloud computing's remote power. The sharing covered private, public, and hybrid clouds. While in the Oil and Gas sector, 5G's role in seamless connectivity, aligned with MFT 50:30 and MFT 0, was highlighted during the sharing session. The integration of digitisation and 5G not only enhances efficiency but also supports sustainability goals by reducing carbon emissions. An insightful journey into technologies left us inspired and informed.

## Technologies & Issues Discussed



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- **Usage of Copilot**

Microsoft Copilot, AI, help in our daily routine, such as summarise emails or meetings. It can do much and helps increase efficiency and productivity.

- **No Blind Trust**

AI can make mistakes. Every result or outcome should be validated and checked.

- **Balanced Act**

AI should be only an additional platform, it is crucial to use it carefully and judiciously. Over-reliance without careful consideration may lead to a counterproductive outcome.

## REFLECTION

From the visit, I realised that AI should only be an idea generator, recognising the importance of it and should not fully rely on it. Every outcome or result generated by AI should always be checked and validated. Also, the visit taught me to focus on the areas that I'm passionate about and to accept that I can't know everything. It showed me the importance of continually improving myself to align my values with skills.

The industrial visit was not only fun, but also fulfilled my desire to know more about a structure and the work flow of a company. It blown my mind how most of the worker are usually not present in the company but rather they practice work from home nowadays. During the QnA session with Mr. Roman, one employee answered my question with a simple yet motivating motto: "Never stop learning, even when you're old." Till this day it still sticks with me.

LAU YAN KAI  
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From the visit, I learned the overview of the operation of a company, especially on the infrastructure services which included database, storage and server management. This inspires me to fulfill myself with these knowledge in my university career. Moreover, the amiable programmer, Mr. Roman taught me that I should always be passionate to pursue for knowledge, not only to improve myself, but also to enjoy the utmost joy at the moment I succeed.

LEE YIN SHEN  
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Through this industrial visit, I get the chance to see the working environment of software engineers. I was highly inspired by Mr Roman Kvaska regarding the skills to strengthen in order to set me apart from other candidates in the search for job opportunities. For example, Mr Kvaska told me that for web development we should focus on CSS, Javascript and HTML.

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# HUAWEI CUSTOMER SOLUTION INNOVATION CENTRE



17 November, 2023 (Friday)

## Summary

We explored the cutting-edge technologies innovated by HUAWEI such as SmartLi UPS, Data Centre Facilities, and Smart Energy Controller. During the visit, we were also briefed on the structure of HUAWEI Cloud Engine, advanced cloud solutions and were showcased HUAWEI's commitment to innovation. We understood how an AI-powered vending machine works in real life autonomous stores. We sincerely appreciate the academic visit to Huawei's Innovation Centre. It was truly a meaningful and insightful experience for us in this industry.



credit: HUAWEI Customer Solution Innovation Centre



credit: Dr Aryati binti Bakri

## Technologies & Issues Discussed

- **Fusion Module Data Centre**

employs a dashboard to monitor power usage, temperature, and sensors to swiftly detect and prevent fault. LED light changes colour to signal issues, and technician would immediately identify the source of issues.

- **Autonomous Grocery Purchasing System**

utilising AI to automatically identify the item purchased by consumer without scanning barcodes. It will automatically calculate the total price , thus saving time and cost.

## Reflection

I discovered that technological solutions could help make our lives easier, particularly through innovations, such as the autonomous grocery purchasing system. It calculates the total cost in the cart without needing to take items out for scanning, saving time and cutting down on cashier and barcode sticker costs. I am thrilled to know that technologies could make our daily life more convenient, and also make the process smoother and save money.

Getting to witness and try all the improved and innovated technologies was an eye-opening experience for me. Especially the smart TV that allows users to draw and write anything, almost like a drawing tablet. This goes to show the dedication of Huawei company to enhance the usability and functionality of their product for the public market.

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This is my first experience to have a closer look at some advanced technology. The smart energy controller, fusion power module, data storage module, 5G technology had strongly impressed me. These technology which are pursuing for high efficiency, safety and reliability is undoubtedly can make our life easier. Hopefully I can contribute to these technology development with my knowledge in the future.

**LEE YIN SHEN**  
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I was awed by the variety of machines developed by Huawei that enhances productivity and efficiency. For example, the concept of machine learning used for the machine to recognise various appearance of chilis to determine which is sellable. I understand that programmers are responsible for the content displayed on the screen on machines.

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