Johor Corporation
Industry Visit

Group 5 - 7 January 2026 (Wednesday)

Introduction

An industrial visit was conducted by Section 2 of SECP1513 Technology & Information System to JCorp headquarters located in **Menara KOMTAR**, in the centre of Johor Bahru. This visit was organised to provide students with a comprehensive understanding of **real-world information systems applications within a large-scale enterprise**. Under the supervision of Dr Aryati binti Bakri, we are able to grasp the technical application of information system that propels JCorp to accelerate the development of the region into Malaysia first futuristic data hub.

Background & Future of JCorp

JCorp was **established in 1968** as the principal development institution in Johor and they also operates highly diversified portfolio, namely QSR Brands (KFC & Pizza Hut) and KPJ Healthcare Berhad. Beyond its regional impact on the southernmost state, Johor, JCorp is increasing dominates as a global stakeholder through its digital-first investment strategies and the development of **Sedenak Tech Park** (STeP), serving as Malaysia's catalyst to new AI era of first Data Centre Park. STeP is designed to attract hyperscale and **Generative AI data center** operations, stimulating future career prospects especially to locals living in Kulai district.

Corporate Environment

The visit incorporates a tour at the **Cerebrum** divison of JCorp. The modernized office facilities of Cerebrum are designed to promote an **agile and collaborative culture**. Observations were made of several unique and eye-catching zones, namely tutorial rooms, aesthetic corporate cafe and an employee break room equipped with a snooker table and a massage chair. The workplace design and architecture highlights a '**free office**' space concept, moving away from traditional cubicles to nurture transparency, freedom and clear communications to enhance productivity.

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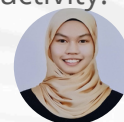
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Key Observation & Technical Insight

The core technical session was delivered by **Budiman Bujang**, Deputy Chief Digital Officer of JCorp. This session focuses on JCorp's transition through **"Cloud First"** and AI-driven initiatives into **Exponential Organization (ExO).**

JCorp Command Centre & AI Integration

JCorp has established a centralized Command Centre to integrate **8 core digital elements**. The integration are focuses on AI & Analytic and **predictive analysis** that used 100% data-driven in decision-making for business foresight, real-time data integration to enhance the visibility in established a "Single Source of Truth", interactive intelligence dashboard to utilize **PowerBI** for comprehensive **data visualization** and automation system by leveraging Power Automate to streamline operation.

Data Architecture & Enterprise AI Stack

JCorp's data architecture is structured for specific sectors (HR, Finance, Supply Chain) in Data Products that supported by a **6-Layer Enterprise AI Stack** to enable the operations. Compute and Infrastructure was using **100% cloud-based operations** followed by data infra as a backbone for gathering, storing and democratizing information. Next, **ML Ops and Governance** that responsible in AI framework for ensuring security anda data ethics followed by model serving (LLM) to provide an intelligence in-house application. other than that, AI orchestration that manage the flow between models and application. lastly, business apps and AI agents as a user-facing tools.

Security & Innovation Framework

JCorp's has implemented a **Cloud First Security Architecture** to protect the new infrastructure using Secure Access Service Edge (SASE). Its includes a **zero trust network** access to ensuring strict identity verification, Firewall-as-a-Service (FWaaS) for managing the network security and protect sensitive data by using Data Loss Prevention (DLP).

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Key Learning Outcomes

As a result of this exposure, there was an understanding of the application of data engineering. It was enlightened that the application of theoretical knowledge such as the **use of data pipelines and database management** is essential for conglomerates such as JCorp. The application of IT to KPJ healthcare and retail shows the importance of collaboration between different disciplines.
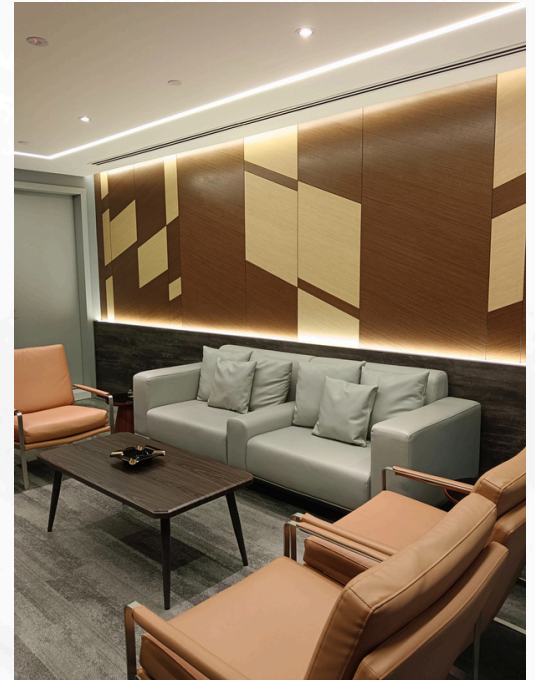
Skills and Professional Development

There was an improvement in technical knowledge about industry standards such as **Zero Trust Architecture and SASE**. Furthermore, the value of soft skills, particularly those that pertain to **communication and collaboration**, was also validated via the collaborative approach found in JCorp's unified platform architecture.

Relevance to Academic Studies & Career

The industrial visit to Johor Corporation (JCorp) reinforced the relevance between the learning content in the classroom and the application of enterprise systems and data management. This experience improved awareness and attraction towards a career involving enterprise systems, data, and industrial computing.

Conclusion

The visit has emphasized the importance of industry exposure to students. It can be concluded that the application of theoretical concepts from academics to industries **demands strong expertise** in the field of data infrastructure and security frameworks. This visit has certainly increased the awareness level related to the possible employment options available in the field of data analytics and enterprise system management.

Acknowledgement

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