07 January, 2026

INDUSTRY VISIT TO JOHOR CORPORATION

Powering JCORP'S Intelligent, Unified Enterprise

INTRODUCTION

The industrial visit to Johor Corporation (JCorp) was organized as part of the Technology and Information System course. It was held on 07 January 2026 at Menara KOMTAR, Johor Bahru. The purpose of the visit is to provide exposure to students on actual industry process and working environment, besides enabling students to get firsthand experience on how JCorp worked in today's technology-driven environment. Through the knowledge sharing by Mr. Budiman Bujang, the Deputy Chief Digital Officer, students were able to observe how technology support daily operations and decision-making processes within the organisation.

Objectives of the Industry Visit

The objectives of the industry visit were to gain close-up exposure to JCorp operations, including observing how AI, automation and analytics are embedded into daily workflows. An understanding of computer-assisted systems implemented at JCorp such as Large Language Model (LLM), Command Centre and Copilot, was also obtained to illustrate how these technologies are utilised to integrate with JCorp's digital ecosystem and enable data-driven insights. In addition, the visit offered valuable exposure to integration of computing and networking, was gained through the observation of JCorp's data architecture, which is composed of three layers: the application layer, MLOps & orchestration layer, and the foundation layer.

Company Background

Johor Corporation (JCorp) is a state-owned investment company in Johor, Malaysia, focused on pursuing the development and economic growth of the state. The core businesses of JCorp are agribusiness, wellness & healthcare, real estate & infrastructure, and food & restaurant. JCORP plays a significant part in boosting the state's economy, contributing to initiatives like the Johor-Singapore Special Economic Zone (JS-SEZ) and the Rapid Transit System (RTS) that connect Johor Bahru to Singapore. At regional and global levels, JCorp also contributes by strengthening Johor's position in Southeast Asia. This is achieve through cross-border collaborations, international investments and through partnerships that allows it to expand its presence in the global market.

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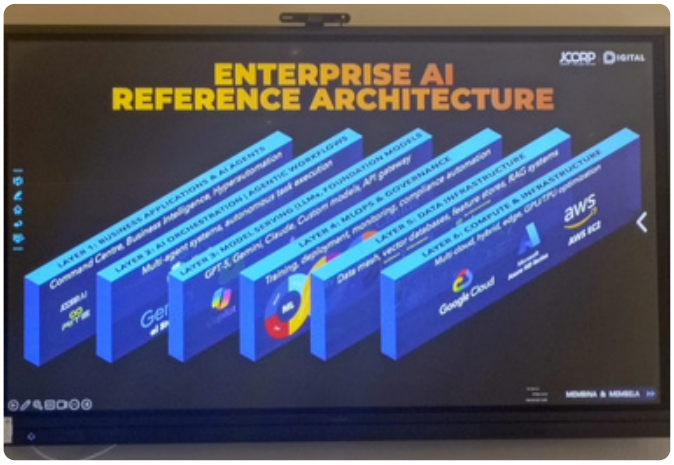
Key Observations & Technical Insights

Role of Computing and Information Systems

Computing and Information Systems play a vital role in contemporary society by enabling the efficient collection, processing, storage, and distribution of information to support organizational and social functions. These systems enhance efficiency through automation, improve communication, and support informed decision-making. Moreover, they support innovation and digital transformation across various sectors while ensuring data security and integrity, thus improving productivity and organizational effectiveness.



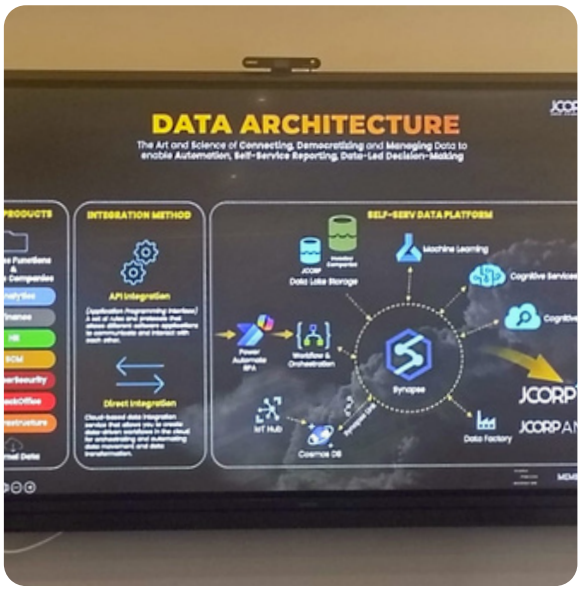
Type of Computer Systems

JCORP utilizes a combination of cloud-based systems and AI technologies to support their digital transformation initiatives. The company has centralized its data on Microsoft Azura, adopted Microsoft 365 across its entities and rolled out Microsoft Copilot to embed AI. These systems are design to improve speed, visibility and alignment across operations, supporting more cohesive and informed decision-making.

Enterprise Systems

Enterprise systems (ES) are large-scale software applications designed to support and integrate the core business processes of an organization. They facilitate the flow of information across different departments, enabling better decision-making and operational efficiency. These systems are essential for organizations with complex structures, such as large corporations, educational institutions, and government agencies.

Aligning with this, JCorp is modernizing its operations through the RISE with SAP strategy. By adopting the SAP S/4HANA Cloud platform, JCorp establishes a unified "digital core" that embeds AI, machine learning, and advanced analytics across its diverse subsidiaries. This integration streamlines workflows and centralizes data, driving group-wide productivity and sustainable growth.



Use of Databases and System

Databases are used in various industries and applications to manage and store data efficiently.Specifically, JCorp utilizes the SAP HANA in-memory database to enable high-speed, real-time data processing across its diverse sectors. This database layer supports the SAP S/4HANA Cloud system by synchronizing core business functions and eliminating information silos. By centralizing data on Microsoft Azure, JCorp maintains a "single source of truth," providing the scalability needed for AI-driven insights.

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Learning Outcomes, Reflection & Conclusion

Key Learning Outcomes

By the end of the JCorp's industry visit, new knowledge about JCorp was gained, particularly in relation to its operations, data architecture and the importance of using artificial intelligence (AI) as a strategic assistance tool in a responsible and effective manner, balancing technological power with human oversight. An understanding of real-world applications of computing concepts was gained through observation of systems implemented at JCorp, including the use of JCorp AI to build and support internal systems, the role of data architecture programs in identifying and predicting outcomes, and the function of Command Centre in monitoring network of systems to uphold overall company performance. Moreover, awareness of interdisciplinary collaboration between IT and JCorp was enhanced, highlighting how technology supports organisational decision-making and operational efficiency of a company.

Skills and Knowledge Development

Through the industry visit, technical skills were observed and understood, particularly in the application of artificial intelligence, data architecture, system integration and network performance. It also improved students' understanding of professional practices, strategic planning, and sustainability-oriented decision making, while strengthening soft skills such as communication, critical thinking, and awareness of real workplace expectations. Futhermore, an awareness of industrial standards and practices are cultivated through the exposure to JCorp's governance frameworks, innovation process and operations professional practices to ensure reliability, security and performance within a corporate environment.

Relevance to Academic Studies & Career

The visit helped students connect academic theories they learned in Technology and Information System course to real-world organisational practices at JCorp. It also helped to enhance career awareness among students by providing a practical look at industry operations, where it can motivate them to better prepare for future professional pathways. This exposure increased students' interest in pursuing careers related to enterprise systems, data analytics, and industrial computing, as students can see how technology improves efficiency, accuracy, and coordination, where it helps students to understand its real impact.

Conclusion

In summary, the industrial visit to JCorp provided a comprehensive overview of the company's digital transformation and operational workflows. The importance of industry exposure for students was reaffirmed, as such experiences bridge the gap between theoretical knowledge and practical application, offering invaluable insight into real-world technological and business environments. Ultimately, the visit reinforced the essential role that industry engagement plays in preparing students for future professional challenges.

Acknowledgement

Biggest thanks to JCorp team for the warm hospitality, valuable insights, and guidance throughout the visit. Special thanks is also dedicated to the lecturer, Dr Aryati binti Bakri for giving an opportunity to students to participate in this valuable visit, as it was truly meaningful and inspiring for students learning journey.

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