

Industrial Visit NEWSLETTER



Summary Visit

On 8 January 2026, our group was fortunate enough to get an opportunity to visit the ICT Department of JohorPort Berhad. It was indeed a worthwhile industrial visit, the insight of technology practice in a real working environment, especially in such a busy and large organization like a port. The visit helped us appreciate how ICT is important in ensuring smooth operations, which can take place without interruption, every day.

The presenter, Mohamad Taufik Abdul Razak and Senior Manager Badrul Hisham Abdul Halim a deliberated the methodologies for developing applications aside from the low-code platform approach, and this can hasten the development process. This underscores the malleability of innovation in system development.

Along with this, we were brought to the aspect of infrastructure which composes servers, data centers, disaster recovery systems, and network security in ICT. The combination of these maintains the availability and safety of all systems at all times.

We also had the chance to take a bus tour around Johor Port, allowing us to gain a clearer overview of the port layout, facilities, and daily operations from a broader perspective.

ICT MAIN PILLARS

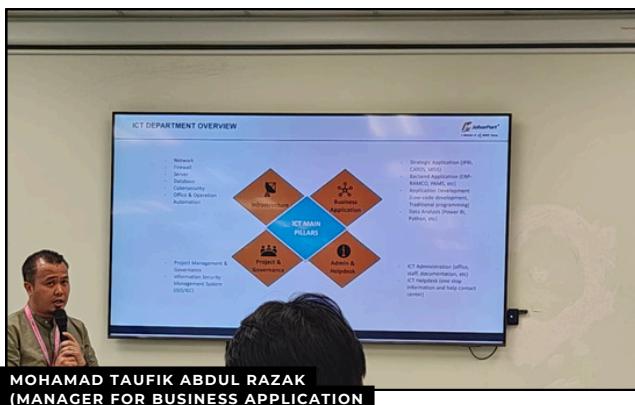


*INFRASTRUCTURE

*BUSSINESS
APPLICATION

*PROJECT AND
GOVERNANCE

ADMIN AND
HELPDESK



INTERESTING INFORMATION AT JOHORPORT

Recently, we were fortunate enough to be given an opportunity to attend a special talk. We never thought that we would have the chance again. Not only did we learn about JohorPort, but we also enjoyed a complimentary meal before the talk. We were truly thrilled to share some of the valuable information we gained from the session.

First of all, before the session, we all gathered at Health, Safety, and Environment (HSE) section port security and safety department (PSSD). The crew there greeted us with warm smiles and gave us kind compliments on some of our students

Then, they gave us a sort of briefing and introduced all the crew members who were present. They all work in Johor Port, but they are not from the same department

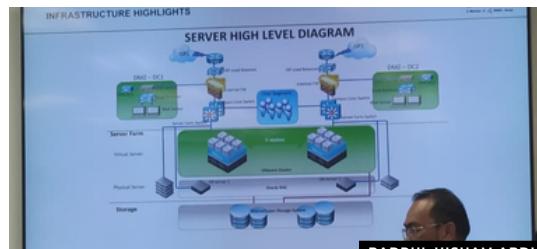
After a brief introduction, the talk session began with a video highlighting the safety equipment that workers at Johor Port must wear to prevent accidents. The video strongly emphasized safety rules and the penalties for not following them. The session then continued with three speakers who explained the functions of their respective departments.



ISSUES WITHIN JOHORPORT

As known, ports require securities custody and smooth work processes. They also need to compete with nearby ports such as the Singapore.

In order to achieve that, Johor Port actively pursues digitalization and leverages technologies such as Johor Port Container Terminal System (JCTS) for managing terminals and containers efficiently and Port Access Management System (PAMS) to keep track of entry and exit processes. These facilitate their works as well as reducing time wastage to focus on developing their technologies efficiently.



TECHNOLOGIES WITHIN JOHORPORT

In JohorPort there are plenty of technology they have been used in their establishment. The main one that have been shared to us is Low Code, Port Access Management System (PAMS) and ERP.

Low Code were used as a methods of designing and developing apps using intuitive drag and drop tools that reduce or eliminate the need for traditional developers who write code.

While PAMS, were used as a online system to manage access, permits and security for entering the port. Lastly, ERP is stand for enterprise resource planning, where it is a business management software that integrates and manages core processes like finance, HR, manufacturing, and supply chain into a single, unified system



Reflection

The experience of the industrial visit to JohorPort was very valuable for us. We were amazed how modern technology and automation are implemented in the efficient management of port activities, reducing labor and meanwhile improve the safety of workers. The visit made us understand more about the importance of ICT department in managing the current era of industry as it cover the infrastructure, project, business application and much more. We also observed the strong emphasis on safety and environment in management of JohorPort which proves that innovation brings industry operating responsibly. Other than that, having ICT to maintain the system of the industry itself make it much more easier for all workers as they just need to have a ready-system that auto detect if any problem occur in their mainframe. The visit inspired us to appreciate more about the role of IT in boosting efficiency, sustainability and the quality of life of society.



Thank you for reading!