



UTM
UNIVERSITI TEKNOLOGI MALAYSIA

FACULTY OF ENGINEERING

SCHOOL OF COMPUTING

SEMESTER 2/20202021

SCSP3744 - ENTERPRISE SYSTEMS DESIGN AND MODELLING

SECTION 01

INDUSTRIAL TALK

DR SHAMSUL BAHRI ABDUL SATAR

LECTURERS:

1. Mdm. Nor Hawaniah Zakaria
2. Dr. Izyan Izzati Binti Kamsani

<Name>	<Matric ID>
Chan Jun Yao	A18CS0043

SUMMARY REPORT

1. Summary Report

During the Enterprise System Design and Modelling (ESDM) class on 3 May 2021, Monday, an industrial talk titled “Barcode System for Inventory System” has been held via Webex. The speaker of the talk is Dr Shamsul Bahri Abdul Satar from Technip FMC.

We are privileged to have Dr Shamsul for the session as he is the Service Deliver Manager in APAC and Middle East region in Technip FMC. He has over 25 years of professional industrial experience in various industries including hospitality, manufacturing, consultant, petrochemical, oil and gas and project management, and he had joined his current company, Technip FMC for over 10 years now. Besides that, Dr Shamsul is an UTM alumni.

Dr Shamsul had shine light upon how the industry manage system implementation. He explained that in Technip FMC, they had established 3 IT Governance Model which are Steering Committee, Management Committee and Key User Committee. These IT Governance protocol exists to optimise process flows for decision making by apply the correct IT tools which can ultimately reduce cost, rework, and manual processes.

In the talk, Dr Shamsul explained system flow in detail for both receiving and issuance process. Dr Shamsul had enabled us to sit at the shoulder of the giant, to take his perspective to understand the whole system flow in depth. His talk and explanation are precise and practical which realistically reflects the condition in the industry. However, Dr Shamsul humbly suggests a proposed system flow for both receiving and issuance process that could improve overall performance and execution speed. Software aside, Dr Shamsul also introduced us the physical infrastructures the production team has been using, which includes electronic devices such as barcode scanner, tablet computer and industrial colour printer. He also explained how these devices can use together with barcode technology to improve organizational efficiency.

2. Reflection of having the Session

Throughout this talk, Dr Shamsul had given us a chance to take a glance of how industrial work in reality. I feel privileged to be able to gain access to these insights and knowledge shared by Dr Shamsul, as well as amazed the complexity and comprehensiveness of the IT governance. It is obvious that IT governance had played a key role in the organization, which provided structural efficiency for the organization.

In this talk, Dr Shamsul had showed me what is dedication and humbleness. Despite having a functioning and performant system flow for receiving and issuance process, Dr Shamsul humbly suggested the system's weakness, and even proposed a possible solution to improve performance. His dedication in striving for improvement had inspired me and reminds me to stay humble in every stage of life.

Near the end of the session, Dr Shamsul had generously shared us data related knowledge. He encourages us to explore big data tools such as PowerBI and Tableau, and to leverage from these tools to produce business-critical insights. Feeling blessed, I appreciate that my courses had exposed me to these tools, and even provided me training in courses such as Data Mining and Business Intelligence.

In a nutshell, I feel special to be able to attend the talk by Dr Shamsul as it had left meaningful impact in me for my professional development.