PPG INDUSTRY TALK

VENUE : HYFLEX CLASSROOM N28A
DATE : 20 NOVEMBVER 2025
TIME : 2.00 PM - 4.00 PM

SPEAKERS :

OUR SPEAKER:

AI LING OOI

LEE MAN SHIN

VIJAYKUMAR DHANDAPANI

PATRICK THONG

INTRODUCTION

What is PPG ?

PPG is a global company that develops various types of coatings. PPG has been leading the coatings specialty products in many different forms and industries, such as the automotive, packaging (coating in cans), marine infrastructure, and traffic solutions. Therefore, with all these different types of industries being managed, PPG explained further towards the production and data management of how these problems are all being collected to consistently innovate their products towards continuous problems faced. For example :

-In the Global Marine Hull Navigator/Vessel Database is a system which designed to improve ship performance by navigating the accumulation of marine organisms on the ship's hull. Which proceeds to explain by collecting data on the tracks, how fast, and the sea conditions. Next, further analyse by delivering a fouling risk predictive algorithm. And finally provides useful insights and advice to improve the ship's performance.

-For Supply Chain Control Tower is a system in which a high-tech nerve centre for managing their entire supply chain, which is designed to handle complexity. This tool allows PPG to control and analyze the massive global supply chain from a single digital platform to become more efficient.

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PPG needed a centralized software to view all of their resources, hence the use of ERP(Enterprise Resource Planning) softwares developed by SAP(System Analysis Program Development).SAP allows different departments in PPG to share a centralized database that is visible and can beused for better decision making

SAP allows PPG to have a modular approach :
- PPG can easily include any SAP ERP to easier gather to gather information from specific business domains, there are 3 types of SAP modules.
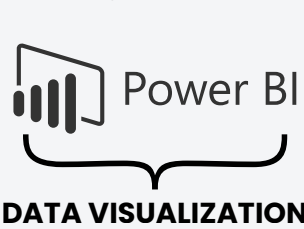
1 Functional Modules : Focus on key business operatons, End-users use them to perform daily operations, automate repetitive tasks, and generate reports,.

2.Techincal Modules : backend tools for develop, customize , and manage the SAP system's infrastructure to suit PPG's need.
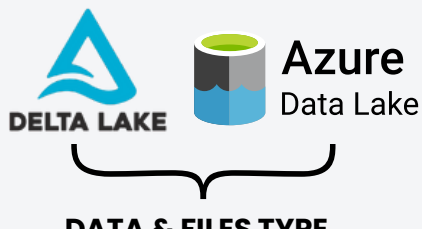
3.Reporting Modules : Modules like FI (Financial Accounting), CO (Controlling), MM (Material Management), and SD (Sales and Distribution) provide reports for their specific processes. For example, FI/CO uses real-time data for financial reporting.

- PPG has a very powerful Data Analytics Team . Their team consist of people with various skills that are fundamentals and important for data analytics.
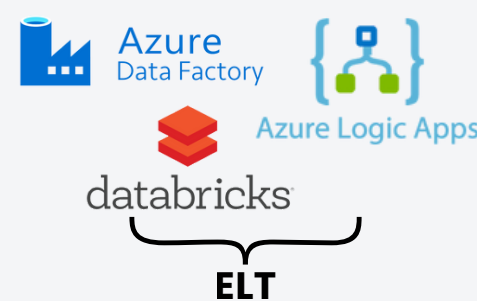 The skills are :

Power BI — DATA VISUALIZATION

DELTA LAKE | Azure Data Lake — DATA & FILES TYPE

Azure DevOps — DEVOPS

Azure Data Factory | Azure Logic Apps | databricks — ELT

Python | Scala | SQL — PROGRAMMING LANGUAGE

REFLECTION

- Nasaaie
One of the valuable information I gained from the talk is PPG focuses heavily on innovation, sustainabilty and product quality.Besides that,they also share some tips on how to stand out in the Job Market.Among them are building projects that use real-world datasets (open data sources)and stay curious,which means   keep learning new tools and keeping up with the trends.

- Sufiyah
I think the PPG talk really gave me a lot of valuable information that makes me see clearly about the career path and daily routine of a data engineer. Besides that, the speakers really highlight the important skills and programs that need to be mastered in this industry.

- Farhan
The PPG industry talk offered me a clear understanding of what the PPG industry entails and how the company operates. They also provided guidance on what to focus on while studying and pursuing career milestones. Overall, the talk was incredibly beneficial in helping me visualize the working environment at PPG and gave me insight into what it's like to be an intern at a company.

- Ian Victor
Upon hearing the talk from PPG's company, I was able to realize several skills that i would need to harness in order to succeed as a computer science, data engineer such as learning more programming language and learn how to navigate through different software user interface . Not to mention, the PPG talk broaden my horizons, especially about different body within a company interact using enterprise resource management to automate task.

EXECUTIVE SUMMARY

PPG is a company that specializes in coatings, such as in the automotive, marine, and packaging industries. This company prioritizes continuous innovation and efficient data management to solve many industry problems.

PPG manages these issues through Global Marine Hull Navigator/Vessel Database and Supply Chain Control Tower. PPG utilizes SAP software to manage all resources. SAP has a total of 3 modules, which is Functional Modules, Technical Modules, and Reporting Modules.

PPG has a strong Data Analytics Team. Main skills such are Power BI, Delta Lake, Azure Data Lake, Scala, and more.

NASAAIE BIN NORISKAMAR
A25CS0118

IAN VICTOR ANAK NEHEMIAH BELANDA KUMBANG
A25CS0233

FARHAN ASHRAF BIN FAKHRUL ANWAR
A25CS0059

NORSUFIYAH ALIYAH BINTI MD JOHAIMI
A24SC0215