Data Analytics

by Derrick Tan Horng Shi
Data Analytics Manager

Data Analytics at PPG focuses on converting large amounts of raw data into useful insights that support smarter business decisions. The Data Analytics team is structured into four main areas which is Master Data , ERP Analytics , Data Lake Analytics and MLOps. The team helps the company understand current operations, predict future risks, and identify opportunities for improvement. They develop tools for shipping efficiency and enterprise reporting. Their work involves managing master data, building dashboards, integrating data from multiple systems, and using SQL, ETL pipelines, and visualization tools. Overall, the team enables more efficient, reliable, and data–driven operations.

Global Infrastructure

by Vijaykumar Dhandapani
Cloud Architecture Lead

PPG's Global Infrastructure Services (GIS) uses a Plan–Build–Run framework to manage global IT operations. The Plan team handles regional IT strategy, the Build team delivers application, cloud, workplace, and infrastructure solutions, and the Run team supports daily operations through service desks and incident management. PPG adopts a multi–cloud environment (Azure, AWS, VMware on AWS, Oracle Cloud, Alibaba Cloud) with on premise data centers as connectivity hubs. GIS is moving toward autonomous infrastructure, zero–trust security, and edge computing to enhance efficiency and innovation.

System Analysis Program Development (SAP)

by Patrick Thong
SAP Operations DTR Lead

SAP (System Analyse Programmentwicklung OR System Analysis Program Development) is a central computer system that runs an entire company. Instead of each department (like sales, warehouse, and finance) having its own separate system that doesn't talk to each others, SAP connects them all into one platform. This means everyone works from the same real–time data, automating processes and giving a single clear view of how the business is performing.

Summary

Overall, PPG company showed how Data Analytics, Global Infrastructure, and SAP work together to support global operations. Through cloud technology, integrated systems, and real-time data, PPG improves efficiency, enhances security, and enables smarter decision-making across the organization.

Individual Reflection

By Lim Li Jing A25CS0248 :

From the industry talk by PPG,I gained a deeper understanding of how a global company integrates IT, data analytics, and ERP systems to support business operations. I realized the importance of aligning technology with business needs, use cloud and AI tools, and keep everything running efficiently. This talk highlighted the gap between academic learning and industry practices, motivating me to improve my technical skills and learn how to apply them in real situations.

By Muhammad Aidil Farhan bin Zamri A25CS0260 :

From this industry talk held by PPG, I was amazed by the importants of integrated systems in managing a complex global supply chain. It changes my perspective from seeing IT and data as support functions to recognizing them as core drivers of a business and company. The talk motivated me to not just learn technical skills, but to understand the strategic connectivity between platforms like ERP and analytics tools that enable data-driven decision-making on a larger scale like world-wide.

By Puteri Anis Annisa binti Mat Lazim A25CS0339 :

From this talk, it gave me a clearer understanding of how data is used in real industry environments. I learned that data analytics is not just about analysing numbers but about supporting business decisions, predicting risks, and improving overall efficiency. Compared to university assignments, industry work involves much larger and more complex datasets, requiring careful performance tuning and teamwork. This talk motivated me to strengthen my technical skills like SQL, data visualization, and database design and gain more hands-on experience with real data tools. Overall, it helped me understand the value of data analytics and inspired me to explore this field more seriously as a future career path.