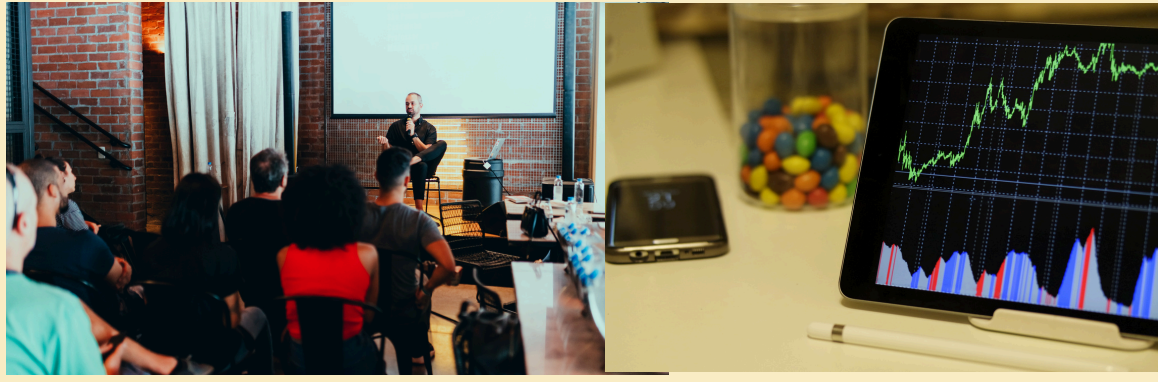


INDUSTRY TALK 1:

OVERVIEW OF PPG, DATA ANALYTICS, INFRASTRUCTURE & SAP



01

INTRODUCTION

As part of Technology & Information System's student, this talk aimed to expose students to real-world applications of ICT in a multinational company. Representatives from PPG shared how modern technologies such as analytics, cloud computing and SAP systems support business operations and enable global collaboration.



02

EXECUTIVE SUMMARY

This industry talk introduced how PPG uses modern ICT such as data analytics, cloud infrastructure, and SAP systems to support global business operations. Students learned about PPG's international infrastructure, cybersecurity practices, and the role of data in improving decision-making. The session also explained key SAP modules used to manage core business functions like supply chain and production. Overall, the talk gave students a clearer understanding of real-world ICT applications in a multinational company.

03

GLOBAL INFRASTRUCTURE

- Infrastructure includes cloud services, networks, servers, cybersecurity, and data centers. Stable connectivity throughout international operations is ensured.
- Cloud adoption improves scalability and system reliability. Infrastructure teams use robust security frameworks to defend systems against cyberattacks.



04

DATA ANALYTICS IN PPG

- Master Data
-Solutions to manage data in support of operations, analytics, digital, e commerce and compliance.
- ERP Analytics
-Single ERP source solutions for operational and financial analytics.
- Data Lake Analytics
-Multi source, enterprise strategic solutions to enable data models and advanced analytics.
- MLOps
-Automates and streamlines the delivery and maintenance of machine learning models.

Global Marine Hull Navigator

- Achieves a 3% speed gain.
- Collects data like tracks location, speed, depth, distance, ports, ship movement and sea condition.
- Uses business expertise to deliver a fouling risk predictive algorithm.
- Provides insights to improve ship efficiency and performance.



05

SAP ENTERPRISE SYSTEM

SAP helps manage core business operations like finance, supply chain, HR, and procurement. integrates multiple departments and offers real time data. guarantees uniform procedures among international branches. ICT teams support users all over the world and maintain SAP modules.

Demand to Replenish, includes a few key SAP Modules

- MM for Materials Management
- PP for Production Planning
- QM for Quality Management
- eWM for Extended Warehouse Management
- EH/S for Environment, Health, and Safety

SAP modules are grouped into 3 main categories

- Functional
- Technical
- Reporting



06

REFLECTION

Through this talk, I acquired a deeper understanding that ICT plays a crucial role in actual industries. Furthermore, I obtained knowledge about how data analytics, cloud infrastructure, and SAP systems support global operations.

Besides, the speakers motivated me to find out more careers in ICT, particularly in data analytics and company systems, since these skills are really important in this modern era.

Last but not least, I also realized the importance of improving myself, problem-solving, and adapting to new technologies in this modern work environment.



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