

ENTERPRISE SYSTEMS DESIGN AND MODELING(WBL)(SECP3744)

NEWSLETTER

PPG Industrial Talk



SUMMARY OF THE TALK

Year 3 SECPh students attended an insightful talk session with PPG Industries Malaysia, a global leader in paints, coatings, and specialty materials. The session began with an introduction to PPG's background and its mission to innovate and protect world through sustainable

solutions. The speaker shared how industries implement enterprise systems in real-world operations, emphasizing their role in improving efficiency and integration across business functions. Besides, we also learned about PPG's business processes and how the company uses SAP to manage global operations effectively. The talk continued with insights into why SAP is a valuable career path, highlighting its global demand and opportunities for growth. Finally, we discovered why joining PPG offers a rewarding experience which combines technology, innovation, and career development in a supportive environment. The session was highly engaging and motivational, inspiring many of us to explore the world of enterprise systems and envision a future in digital transformation.

THE TECHNOLOGIES AND ISSUES DISCUSSED IN THE TALK

ENTERPRISE SYSTEM IMPLEMENTATION

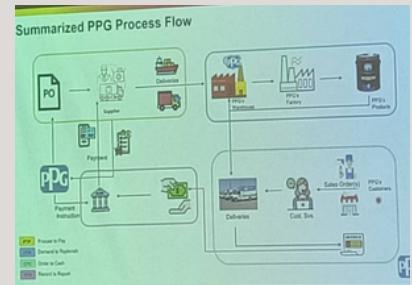


Enterprise system in industries usually consists of two main components which are Enterprise Resource Planning (ERP) and Systemanalyse Programmentwicklung (SAP), which stands for System Analysis Program Development. ERP is a software system that helps many organizations to streamline their core business processes with a unified view of activity and providing a single and accurate source of information. Key business processes managed by ERP includes finance, human resource (HR), manufacturing, supply chain, sales, and procurement. Meanwhile, SAP was one of the first companies to create business software and continues to lead in providing ERP solutions today. SAP offers varieties of solutions to support different business needs, including Cloud ERP, Artificial Intelligence, Supply Chain Management, and Financial Management. These solutions help organizations to improve efficiency, connect departments, enhance decision-making, and stay competitive in the digital era.



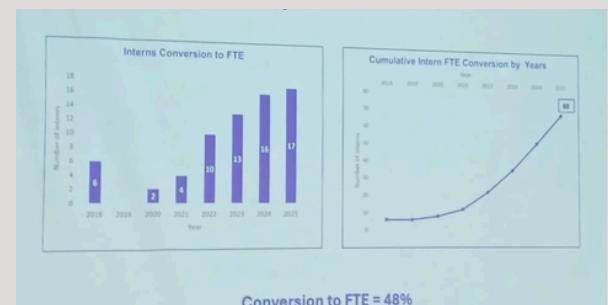
PPG BUSINESS PROCESS USING SAP

PPG organizes its SAP operations into four main streams. The PTP (Procure to Pay) stream covers their entire purchasing process, starting from ordering materials from suppliers and ending with paying the vendor invoices, using the MM and VIM modules. Next, the DTR (Demand to Replenish) stream handles the supply chain and manufacturing side, which includes production planning (PP), materials management (MM), and warehouse management (eWM) to get materials to the factory. Once the products are made, the OTC (Order to Cash) process takes over, managing the entire sales cycle from the customer's order to the final delivery and payment, which all runs through the SD module. Finally, the RTR (Record to Report) stream is collecting data from all the other processes to manage financial accounting (FI), the general ledger (GL), and controlling (CO).



WHY CHOOSING SAP AS A CAREER

1. Global impact (work on international projects)
2. High-demand skills (gain SAP experience)
3. Diverse career paths (technical, functional, project management)
4. Learn new tech (AI, Cloud, IoT)
5. Competitive allowance
6. Global collaboration (work with diverse teams)
7. Continuous learning (develop new skills)
8. Supportive network (access to global experts)
9. Career stability (learn a "skill for life")
10. High hire rate (48% intern-to-full-time conversion)



REFLECTION

Chua Jia Lin: The talk from PPG greatly enhanced my understanding on the importance of ERP and SAP in integrating key business processes like finance, supply chain, and sales into a unified system. It was great to learn how PPG operates its business through processes like Procure-to-Pay (PTP) and Record-to-Report (RTR). In addition, I also realized that SAP offers many work opportunities in the digital business world. After attending the talk, I have a strong interest to work in the SAP department at PPG, because it allows me to gain both theoretical and practical knowledge about enterprise system and improved my professional skills.

Choh Jing Yi: During the recent industry talk by PPG, I gained valuable insight into how the company integrates SAP and ERP systems into its company operations. The session gave me a practical understanding of the importance of enterprise systems in a real industry, especially when they showed how their core business processes like Procure to Pay (PTP), Demand to Replenish (DTR), Order to Cash (OTC), and Record to Report (RTR) map directly to specific SAP modules. I now clearly realize that having knowledge of these systems is important for me to secure an internship opportunities in PPG.