PPG INDUSTRY

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INTRODUCTION

A brief insight into how PPG, a global coatings company, uses data analytics, cloud systems, and SAP to run its worldwide operations. highlighting how IT students can apply their skills in real industry roles and explore internship opportunities at PPG.

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DATA ANALYTICS COE

role: proceed smarter choice, identify growth opportunities, fix issues for work efficiency
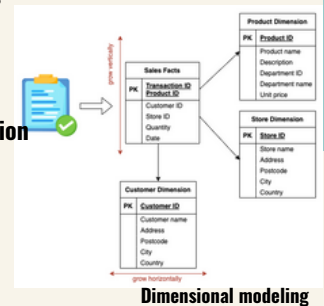
Global Mrine Hull Navigator/ Vessel Database

- collect data
- analyse-deliver a fouling risk predictive algorithm
- Help busness-work efficiency

Data and Analytics in PPG

- Master Data
- ERP Analytics
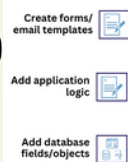- Data Lake Analytics
- MLOps

Data Analytics Team Key Skills

- Programing languages
- Data&File Types
- Data Visualization
- ELT
- DevOps Practices(CI/CD)&Version Control (GIT)
- Database designs

Star Schema

Dimensional modeling

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GLOBAL INFRASTRCTURE COE

Organization Framework(Team)

- Plan
- Build
- Run

Future IT Infrasture Trends

- IT Infracture Evolution
- Current Cloud technologies
- Autonomous Infrastructure
- AL-Driven IT Operations
- Zero-Trust Security Model
- Edge Computing Role
- Business Adaptation

Multi-Cloud Approach

- vmare
- AWS
- Mocirosoft Azure
- Oracle Cloud
- Alibaba Cloud
- PPG Performance Hubs

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System Analysis Program Development(SAP)

- DTR(Demand to Replenish)
- OTC(Order to Cash)
- PTP(Procure to Pay)
- RTR(Record to Report)

Create forms/ email templates

Add application logic

Add database fields/objects

SAP S/4 HANA

Adapt user interface

Create custom analytics

Expose data

Key User Extensibility

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REFLECTION

Before the talk,I felt curious because PPG is a global company as i wanted to understand the real work environment.As the talk ongoing,I felt excited because they related to real-world application also internship program that sucessfully become full-time employees.I also felt amazed by technical tools and skill mentioned such as DevOps,SQL and hopefully i could master all that skill one day.

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EXECUTIVE SUMMARY

PPG manages its business under Global Architectural, Performance and Industrial Coatings. The approach of the organization seeks to launch Data Driven Decision Making by dealing with complex data. It is a strategy that is aimed at simplifying things and centralizing data. PPG uses Plan, Build and Run method to manage IT infrastructure. Other upcoming activities in the field of IT would involve Edge Computing, Zero-Trust Security, AIOps-that, meaning AI-driven operations, and Autonomous Infrastructure. ERP /SAP core systems play a significant role in creating unification in business processes.

Credit(Link)

- https://www.google.com/url?sa=i&url=https%3A%2F%2Fcommons.wikimedia.org%2Fwiki%2FFile%3ASql_data_base_with_logo.svg&psig=AOvVaw07shJEvPQsem-hVhhL4WBV&ust=1764556500367000&source=images&cd=vfe&opi=89978449&ved=0CBUQjRxqFwoTCIj_yq7rmJEDFQAAAAAdAAAAABAE
- https://www.google.com/url?sa=i&url=https%3A%2F%2Fwww.xavor.com%2Fblog%2Fstar-vs-snowflake-which-schema-should-you-go-for%2F&psig=AOvVaw3G46HL-9FXig_ycxZ7y6T_&ust=1764556638036000&source=images&cd=vfe&opi=89978449&ved=0CBUQjRxqFwoTCOC7wKLwmJEDFQAAAAAdAAAAABAE
- https://www.google.com/url?sa=i&url=https%3A%2F%2Fwww.linkedin.com%2Fpulse%2Fdimensional-modeling-data-warehouse-yokeswaran-m-p&psig=AOvVaw2mM2XxXCpyTLMaDo79OgV1&ust=1764556676276000&source=images&cd=vfe&opi=89978449&ved=0CBUQjRxqFwoTCID46oHsmJEDFQAAAAAdAAAAABAq
- https://www.google.com/url?sa=i&url=https%3A%2F%2Fwww.abusinesstech.com%2Fpost%2Fsap-s-4hana-public-cloud-explained-for-business-and-it-leaders&psig=AOvVaw29QoncFG3uOqht2YzWqQL1&ust=1764564700573000&source=images&cd=vfe&opi=89978449&ved=0CBUQjRxqFwoTCND7xYiKmZEDFQAAAAAdAAAAABAE
- https://www.google.com/url?sa=i&url=https%3A%2F%2Fimgbin.com%2Fpng%2FfaymeVQh%2Fppg-industries-paint-coating-logo-industry-png&psig=AOvVaw2Frp-aOXcfrQPdZObdH4ZR&ust=1764941306752000&source=images&cd=vfe&opi=89978449&ved=0CBUQjRxqFwoTCJi2yu-EpJEDFQAAAAAdAAAAABAE

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