

# DATA ANALYTICS, INFRASTRUCTURE & SAP

## PPG DIGITAL IT (MALAYSIA TECHNOLOGY CENTER)

Refers to the global Information Technology organization and strategic digital initiatives of PPG Industries, a leading global manufacturer of paints, coatings, and specialty materials.

### What's the team do

- ERP / Global SAP Centre of Excellence (CoE)
- Cloud & Infrastructure
- Data , Analytics & AI/ML
- Cybersecurity and Data Privacy
- Digital Business Solutions
- Automation

- Global team of investors, achievers and partners
- Trusted by customers for more than 140 years
- Operations in more than 70 countries
- \$15.8 billion sales in 2024

located :  
Petaling Jaya & UOA  
Business Park

### Data & Analytics in PPG

- Master Data - Data quality check, Harmonization across region
- ERP analytics - Production Analytics, Finance & Costing
- Data Lake Analytics - Predictive maintenance, demand forecasting
- ML Ops - Model development/deployment

### Data Analytics Teams Skills

- Programming language
- Data and Files type
- Data Visualisation
- ELT
- DevOps Practices (CI/CD) & Version Control (GIT)
- Database Design

### SAP COE

**Systems Analysis Program Development**  
founded in 1972 by former IBM engineers in Germany.

### Global Infrastructure CoE

- Plan, Build and Run is a conceptual framework that categorizes departments - within the global IT organizational structure - into common functional terms.

### Global Infrastructure Teams Key Skills

- Cloud Architecture
- Cloud Platform Engineering
- LAN/WAN
- Servers & Visualization
- Internet & Security
- Database

### Individual application within SAP ERP specific business domain

- FUNCTIONAL - Focus on key business process including Finance, Cost Control, Purchasing, Production, Quality, Maintenance
- TECHNICAL - Backend tools for developing, customizing, and managing SAP system architecture incl Basis, PI (Process Integration), ABAP
- REPORTING - (BW) data warehouse solution part of SAP BI suite together with SAP BO, (SAC) cloud native platform combining BI, planning and predictive analytics info

### Reflection

**Faiqah** - System analysis and program development reflect continuous improvement in digital system, these topics show how companies modernize and stay competitive.

**Hanisah** - SAP modules represent specialized business domains. While, master data is the foundation of accurate operations. Overall, Data analytics and data lakes extend SAP beyond transactions into insights.

**Najwa** - ICT professionals are strategic partners, not just support staff they build the infrastructure, manage the critical data, and drive the digital transformation necessary for global competitiveness.

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