Haward Technology Middle East

COURSE OVERVIEW SAP0005
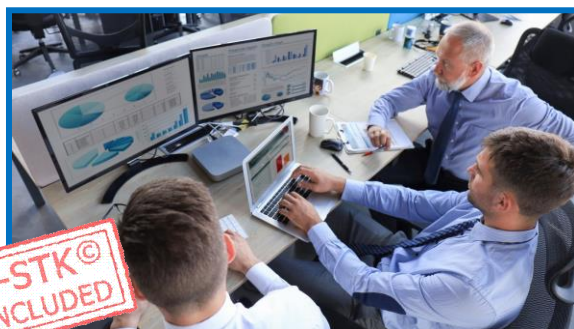# SAP Data & Analytics

Course Title
SAP Data & Analytics

Course Reference
SAP0005

Course Duration/Credits
Five days/3.0 CEUs/30 PDHs

Course Date/Venue

Session(s)	Course Date(s)	Venue(s)
1	May 03-07, 2026	Tamra Meeting Room, Al Bandar Rotana Creek, Dubai, UAE
2	July 19-23, 2026	Crowne Meeting Room, Crowne Plaza Al Khobar, an IHG Hotel, Al Khobar, KSA

Course Description

This practical and highly-interactive course includes real-life case studies and exercises where participants will be engaged in a series of interactive small groups and class workshops.

This course is designed to provide participants with a detailed and up-to-date overview of SAP Data and Analytics. It covers the SAP analytics strategy, evolution from traditional BI to intelligent analytics and the role of analytics in digital transformation; the SAP data and analytics architecture, SAP HANA as an analytics platform and data modeling concepts in SAP; the data extraction and replication methods, real-time versus batch data processing, data transformation principles and data quality considerations; and the SAP analytics tools, SAP BW/4HANA fundamentals and data acquisition in SAP.

Further, the course will also discuss the data modeling objects, data transformation and flow; the data governance, quality, authorizations and security; the SAC architecture and components, connectivity options, analytics, planning and predictive features; the integration with SAP HANA and BW; the data modeling in SAP analytics cloud, story design and visualization and analytical applications; and the embedded and operational analytics, collaboration and distribution, predictive analytics concepts and predictive analytics in SAP.

During this interactive course, participants will learn the planning and what-if analysis, advanced calculations and formulas and integration with AI and machine learning; the data volume management, query and model optimization, best practices for scalable analytics and monitoring analytics performance; the analytics strategy and roadmap, enterprise reporting standards and data governance and compliance; and the driving analytics adoption, training and enablement strategies, self-service analytics governance and measuring user engagement.

Course Objectives

Upon the successful completion of this course, each participant will be able to:-

- Apply and gain an in-depth knowledge on SAP data and analytics

- Discuss SAP analytics strategy, evolution from traditional BI to intelligent analytics and the role of analytics in digital transformation

- Describe SAP data and analytics architecture, SAP HANA as an analytics platform and data modeling concepts in SAP

- Apply data extraction and replication methods, real-time versus batch data processing, data transformation principles and data quality considerations

- Identify SAP analytics tools, SAP BW/4HANA fundamentals and data acquisition in SAP

- Recognize data modeling objects, data transformation and flow as well as apply data governance and quality, authorizations and security

- Identify SAC architecture and components, connectivity options, analytics, planning and predictive features and integration with SAP HANA and BW

- Illustrate data modeling in SAP analytics cloud, story design and visualization and analytical applications

- Carryout embedded and operational analytics, collaboration and distribution, predictive analytics concepts and predictive analytics in SAP

- Employ planning and what-if analysis, advanced calculations and formulas and integration with AI and machine learning

- Apply data volume management, query and model optimization, best practices for scalable analytics and monitoring analytics performance

- Discuss analytics strategy and roadmap, enterprise reporting standards and data governance and compliance

- Carryout driving analytics adoption, training and enablement strategies, self-service analytics governance and measuring user engagement

Exclusive Smart Training Kit - H-STK®

*Participants of this course will receive the exclusive "Haward Smart Training Kit" (**H-STK**®). The **H-STK**® consists of a comprehensive set of technical content which includes **electronic version** of the course materials conveniently saved in a **Tablet PC**.*

Who Should Attend

This course provides an overview of all significant aspects and considerations of SAP data and analytics for project manager, analytics lead, strategy lead, SAP functional consultant, data governance lead, SAP technical consultant, data engineer, developer, business analyst, data analyst and other technical staff.

Course Certificate(s)

Internationally recognized certificates will be issued to all participants of the course who completed a minimum of 80% of the total tuition hours.

Certificate Accreditations

Haward's certificates are accredited by the following international accreditation organizations:

- **BAC** British Accreditation Council (BAC)

  Haward Technology is accredited by the **British Accreditation Council** for **Independent Further and Higher Education** as an **International Centre**. Haward's certificates are internationally recognized and accredited by the British Accreditation Council (BAC). BAC is the British accrediting body responsible for setting standards within independent further and higher education sector in the UK and overseas. As a BAC-accredited international centre, Haward Technology meets all of the international higher education criteria and standards set by BAC.

- **IACET** The International Accreditors for Continuing Education and Training (IACET - USA)

  Haward Technology is an Authorized Training Provider by the International Accreditors for Continuing Education and Training (IACET), 2201 Cooperative Way, Suite 600, Herndon, VA 20171, USA. In obtaining this authority, Haward Technology has demonstrated that it complies with the **ANSI/IACET 2018-1 Standard** which is widely recognized as the standard of good practice internationally. As a result of our Authorized Provider membership status, Haward Technology is authorized to offer IACET CEUs for its programs that qualify under the **ANSI/IACET 2018-1 Standard**.

  Haward Technology's courses meet the professional certification and continuing education requirements for participants seeking **Continuing Education Units** (CEUs) in accordance with the rules & regulations of the International Accreditors for Continuing Education & Training (IACET). IACET is an international authority that evaluates programs according to strict, research-based criteria and guidelines. The CEU is an internationally accepted uniform unit of measurement in qualified courses of continuing education.

  Haward Technology Middle East will award **3.0 CEUs** (Continuing Education Units) or **30 PDHs** (Professional Development Hours) for participants who completed the total tuition hours of this program. One CEU is equivalent to ten Professional Development Hours (PDHs) or ten contact hours of the participation in and completion of Haward Technology programs. A permanent record of a participant's involvement and awarding of CEU will be maintained by Haward Technology. Haward Technology will provide a copy of the participant's CEU and PDH Transcript of Records upon request.

Course Fee

US$ 5,500 per Delegate + **VAT**. This rate includes H-STK® (Haward Smart Training Kit), buffet lunch, coffee/tea on arrival, morning & afternoon of each day.

Course Instructor(s)

This course will be conducted by the following instructor(s). However, we have the right to change the course instructor(s) prior to the course date and inform participants accordingly:

Mr. George Kordosis, MBA, BSc, is a **Senior SAP Consultant** with **20 years** of extensive experience in the areas of **SAP** Data & Analytics, **SAP** Data Warehouse Cloud Fundamentals, **SAP** Financial Accounting, **SAP** Data Warehousing & Reporting, **SAP** Materials Management, **SAP** Project Implementation Methodology, **SAP BW/4HANA**, **SAP S/4HANA**, **SAP** Finance and Logistics Data, **Project** Management, **PMO** setup and governance, **SAP** Sales and Distribution (SD) Consulting, **SAP** Financial Reporting Consulting, **SAP** Implementation Lifecycle Management, **SAP** Consulting for Manufacturing Industry, **Project** Delivery & Governance Framework, **Project** Management Practices, **Project** Management Disciplines, **Project** Management Framework, **Business Process** Analysis, **Business Process** Mapping & Modelling, **Business Process** Optimization, Planning, Scheduling & Monitoring, **Project Planning**, **Planning Cycle & Techniques**, **Project Planning**, **Planning Cycle & Techniques**, **Work Budgeting & Cost**, **Human Resource** Management, **Feedback** Development, **Financial Analysis** Techniques, **Financial Data** Analysis Concepts & Process, **Financial & Accounting** Management, **Financial** Planning Techniques, **Best Practices** in **Managing Multiple Projects**, **Project Accounting**, **Project Financial Planning**, **Accounting** Receivable Fundamentals, **Accounting Management**, **Accounting** Leading Practices and Efficient **Finance & Accounting** Operations.

During his career life, Mr. Kordosis has gained his practical and field experience through her various significant positions and dedication as the **SAP Assistant Manager**, **Senior Business Analyst**, **Senior Accountant**, **Accountant**, **Assistant Accountant**, **SAP BPC FICO Consultant**, **SAPBPC/BW/FICO Consultant**, **SAP BPC-FI Consultant** and **SAC Planning Freelancer** from various companies such as Deloitte Business Solutions, Eurobank S.A., Singularlogic S.A., Planet S.A., Itway Hellas S.A., Qualco S.A., NSN/Nokia International OY (Contract) and Motorola SPA/Motorola Networks S.A.

Mr. Kordosis has a **Master of Business Administration** and a **Bachelor's degree** in **Applied Science in Accounting**. Further, he is a **Certified Instructor/Trainer** and he has further delivered numerous trainings, courses, workshops, seminars and conferences worldwide.

Accommodation

Accommodation is not included in the course fees. However, any accommodation required can be arranged at the time of booking.

Training Methodology

All our Courses are including **Hands-on Practical Sessions** using equipment, State-of-the-Art Simulators, Drawings, Case Studies, Videos and Exercises. The courses include the following training methodologies as a percentage of the total tuition hours:-

30% Lectures
20% Practical Workshops & Work Presentations
30% Hands-on Practical Exercises & Case Studies
20% Simulators (Hardware & Software) & Videos

In an unlikely event, the course instructor may modify the above training methodology before or during the course for technical reasons.

Course Program

The following program is planned for this course. However, the course instructor(s) may modify this program before or during the workshop for technical reasons with no prior notice to participants. Nevertheless, the course objectives will always be met:

Day 1

0730 – 0800	*Registration & Coffee*
0800 – 0815	*Welcome & Introduction*
0815 – 0830	***PRE-TEST***
0830 – 0930	***Introduction to SAP Data & Analytics*** *Overview of SAP Analytics Strategy • Evolution from Traditional BI to Intelligent Analytics • Role of Analytics in Digital Transformation • Key Business Drivers and Value Creation*
0930 – 0945	*Break*
0945 – 1030	***SAP Data & Analytics Architecture*** *End-to-End Analytics Reference Architecture • Data Sources: SAP and Non-SAP Systems • On-Premise versus Cloud Analytics Models • Integration with Enterprise IT Landscape*
1030 – 1130	***SAP HANA as an Analytics Platform*** *In-Memory Computing Concepts • Columnar Storage and Compression • Real-Time Analytics Capabilities • Performance Optimization Fundamentals*
1130 – 1215	***Data Modeling Concepts in SAP*** *Transactional versus Analytical Data Models • Star Schema and Analytical Views • Master Data, Transactional Data, and Hierarchies • Best Practices in Analytical Modeling*
1215 – 1230	*Break*
1230 – 1330	***SAP Data Integration Overview*** *Data Extraction and Replication Methods • Real-Time versus Batch Data Processing • Data Transformation Principles • Data Quality Considerations*
1330 – 1420	***Introduction to SAP Analytics Tools*** *Overview of SAP Analytics Cloud (SAC) • SAP BW/4HANA Positioning • Embedded Analytics in SAP Applications • Tool Selection Based on Business Needs*
1420 – 1430	***Recap*** *Using this Course Overview, the Instructor(s) will Brief Participants about the Topics that were Discussed Today and Advise Them of the Topics to be Discussed Tomorrow*
1430	*Lunch & End of Day One*

Day 2

Time	Topic
0730 – 0830	**SAP BW/4HANA Fundamentals** *BW/4HANA Architecture and Components • Simplified Data Modeling Approach • Key Differences from Classic SAP BW • Deployment and Lifecycle Concepts*
0830 – 0930	**Data Acquisition in SAP** *Source System Connectivity • Operational Data Provisioning (ODP) • Data Replication Techniques • Delta Handling Mechanisms*
0930 – 0945	*Break*
0945 – 1100	**Data Modeling Objects** *Advanced DataStore Objects (ADSOS) • Composite Providers • InfoObjects and Master Data • Open ODS Views*
1100 – 1215	**Data Transformation & Flow** *Transformation Rules and Routines • Data Staging Layers (LSA++) • Error Handling and Data Validation • Performance Considerations*
1215 – 1230	*Break*
1230 – 1330	**Data Governance & Quality** *Data Consistency and Accuracy • Master Data Governance Principles • Data Validation and Cleansing • Auditability and Traceability*
1330 – 1420	**Authorizations & Security** *Role-Based Access Control • Analytical Authorizations • Data Privacy Considerations • Secure Data Access Strategies*
1420 – 1430	**Recap** *Using this Course Overview, the Instructor(s) will Brief Participants about the Topics that were Discussed Today and Advise Them of the Topics to be Discussed Tomorrow*
1430	*Lunch & End of Day Two*

Day 3

Time	Topic
0730 – 0830	**SAP Analytics Cloud (SAC) Overview** *SAC Architecture and Components • Connectivity Options (Live versus Import) • Analytics, Planning, and Predictive Features • Integration with SAP HANA and BW*
0830 – 0930	**Data Modeling in SAP Analytics Cloud** *Model Creation and Data Preparation • Measures, Dimensions, and Hierarchies • Calculated and Restricted Measures • Data Wrangling and Enrichment*
0930 – 0945	*Break*
0945 – 1100	**Story Design & Visualization** *Dashboard and Story Concepts • Chart Types and Visualization Best Practices • Interactive Filters and Prompts • Responsive and Mobile-Friendly Design*
1100 – 1215	**Analytical Applications** *Analytic versus Planning Applications • Scripted Analytics Overview • User Interaction and Navigation • Performance Optimization Techniques*
1215 – 1230	*Break*
1230 – 1330	**Embedded & Operational Analytics** *Embedded Analytics in SAP S/4HANA • CDS Views for Reporting • Fiori Analytical Applications • Real-Time Operational Insights*

1330 – 1420	**Collaboration & Distribution** *Sharing Stories and Dashboards • Scheduling and Publication Options • Commenting and Collaboration Features • Governance of Shared Analytics*
1420 – 1430	**Recap** *Using this Course Overview, the Instructor(s) will Brief Participants about the Topics that were Discussed Today and Advise Them of the Topics to be Discussed Tomorrow*
1430	*Lunch & End of Day Three*

Day 4

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0730 – 0830	**Predictive Analytics Concepts** *Descriptive versus Predictive versus Prescriptive Analytics • Predictive Scenarios in Business • Data Requirements for Prediction • Key Predictive Algorithms Overview*
0830 – 0930	**Predictive Analytics in SAP** *Smart Predict Features in SAC • Time Series Forecasting • Classification and Regression Models • Model Evaluation and Accuracy*
0930 – 0945	*Break*
0945 – 1100	**Planning & What-If Analysis** *Integrated Planning Concepts • Version Management and Simulations • Scenario and What-If Modeling • Driver-Based Planning*
1100 – 1215	**Advanced Calculations & Formulas** *Advanced Calculations in SAC • Cross-Model Calculations • Time-Based and Currency Conversions • Performance Impact of Complex Formulas*
1215 – 1230	*Break*
1230 – 1330	**Integration with AI & Machine Learning** *AI-Driven Insights in SAP Analytics • Automated Insight Generation • Business Use Cases for ML • Ethical and Governance Considerations*
1330 – 1420	**Performance & Optimization** *Data Volume Management • Query and Model Optimization • Best Practices for Scalable Analytics • Monitoring Analytics Performance*
1420 – 1430	**Recap** *Using this Course Overview, the Instructor(s) will Brief Participants about the Topics that were Discussed Today and Advise Them of the Topics to be Discussed Tomorrow*
1430	*Lunch & End of Day Four*

Day 5

0730 – 0830	**Analytics Strategy & Roadmap** *Aligning Analytics with Business Strategy • Defining KPIs and Success Metrics • Analytics Maturity Models • Roadmap Development*
0830 – 0930	**Enterprise Reporting Standards** *Standardization of Reports and Dashboards • KPI Frameworks and Scorecards • Naming and Design Conventions • Change Management Practices*
0930 – 0945	*Break*
0945 – 1100	**Data Governance & Compliance** *Data Ownership and Stewardship • Regulatory and Compliance Requirements • Audit and Control Mechanisms • Risk Management in Analytics*
1100 – 1215	**User Adoption & Change Management** *Driving Analytics Adoption • Training and Enablement Strategies • Self-Service Analytics Governance • Measuring User Engagement*

1215 – 1230	*Break*
1230 – 1345	***Industry Use Cases*** *Finance and Controlling Analytics • Operations and Supply Chain Analytics •* *Sales and Customer Analytics • Executive and Strategic Dashboards*
1345 – 1400	***Course Conclusion*** *Using this Course Overview, the Instructor(s) will Brief Participants about* *Topics that were Covered During the Course*
1400 – 1415	***POST-TEST***
1415 – 1430	*Presentation of Course Certificates*
1430	*Lunch & End of Course*

Practical Sessions

This practical and highly-interactive course includes real-life case studies and exercises:-
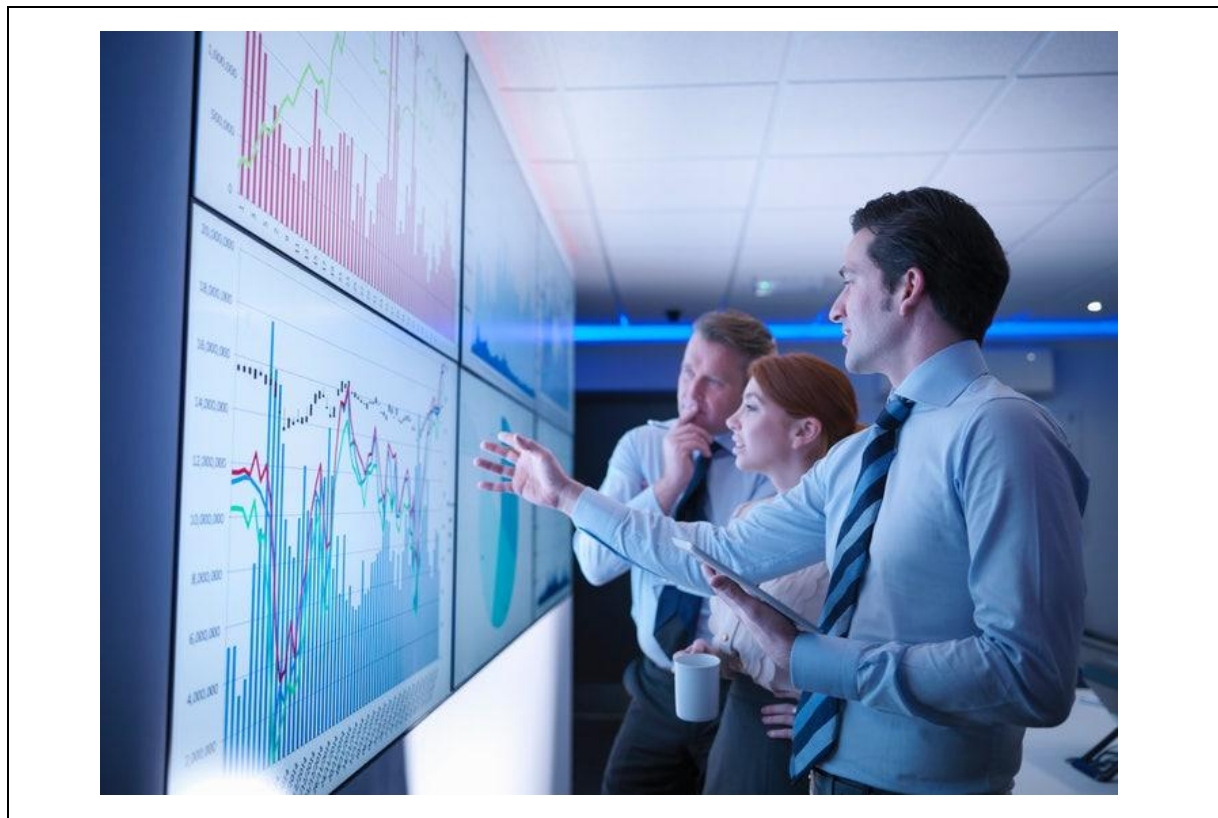
Course Coordinator

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