

Concepts, Design and Modelling for Extended Data Warehousing

The complete lifecycle of a data warehouse project is covered and after completing this comprehensive 4 day course data warehouse practitioners will be armed with sufficient knowledge to guide them through the process of designing business intelligence/data warehousing solutions. Concepts such as data lakes, big data and cloud computing will also be discussed.

Topics covered:

- Evolution, value and definition of the DW
- Historical perspective on data analytics
- New waves: comparing and discussing the options
- Brief overview of current concepts and technologies
- The data warehouse and dimensional modeling in perspective
- DW project planning and management
- Impact of a data warehouse strategy on business
- Reasons for, components and deliverables of an architectural approach
- Business requirements definition
- How to implement a data warehouse
- Architecture of extended data warehouse
- Design principles
- Dimensional modelling and design techniques: basics and expanded (including exercises and workshops)
- Implementation considerations
- Effects of Cloud and big data
- Data warehouse construction
- High-level introduction to back-end and front-end processes
- ETL overview
- Deployment overview

Date: 29 July 2018 to 31 July 2018

Venue: Sierra Square Hotel, Randburg

Date: 11 September 2018 to 14 September 2018

Time: 08:30 - 16:30

Venue: Cape Town, Cape Town

Date: 17 September 2018 to 20 September 2018

Time: 08:30 - 16:30

Venue: Sierra Square Hotel, Randburg

Date: 19 November 2018 to 22 November 2018

Time: 08:30 - 16:30

Venue: Cape Town, Cape Town

Date: 26 November 2018 to 29 November 2018

Time: 08:30 - 16:30

Venue: Sierra Square Hotel, Randburg