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## Module One: Enterprise Structure

Introduction to ERP, SAP, Data Warehouse  
Overview of BW, BI, Data Base.  
Overview of BW Architecture, Landscape

### Basic Modeling:

Multi-Dimensional Model – The Star Schema (Classical Approach)  
Multi-Dimensional Star Schema in BW (Extended Star Schema)  
The OLAP Concept and differences between OLAP and OLTP

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## Business Modeling

1. Info Area
2. Info Object Catalogs
3. Info Objects
4. PSA
5. Application Component
6. Info Source
7. Data Source
8. Transfer Rules
9. Update Rules
10. Transfer Structure
11. Communication Structure
12. Info Package
13. Transformation
14. Data Transfer Process

Loading Transactional Data into BW info Cube  
Loading MD with TD into BW System

BW and BI Comparisons  
Master data loading-new (BI) ETL process

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- Info Cube & Types
  - Standard Info cube and Loading with new ETL Process

Generate Report with BI master and Transaction Data

Manual Uploading of MD like Attributes, Text, Hierarchy

Delta Mechanism

Different Types of Attributes

Transformations, Rule types

Routines: -

1. Start Routine
2. End Routine
3. Expert Routine

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## DTP (Data Transfer Process)

- Standard DTP
- Error DTP
- Direct Access DTP
- Real time DTP

## DSO (Data Store Object)

- Standard DSO
- Write optimized DSO
- Direct update DSO
- APD (Analysis Process & Design)

## Update Methods

1. Full updates
2. Initialization
3. Delta Updates

## Info Providers

- Multi Providers
- Info set
- Virtual Providers

- Re-Modeling
- Re-Partitioning
- Open-Hub Destination
- Data Marts

## Info Cube Maintenance

- Aggregates
- Roll-up
- Compression
- Reconstruction

## Process Management

1. Process Chains, Process Types
2. Scheduling
3. Monitor (Header, Status, Details)

## Business Content

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## Reporting: -

### Business Explorer

- BEX Query designer
- BEX Analyzer
- BEX WAD
- BEX Report Designer
- Visual Composer

### Functional Overview of BEX Query Designer

#### Reusable Query Elements

- Query Controls with Variables
- Calculated Key Figures
- Restricted Key Figures
- Structures

#### Variable Definition in Detail

- Characteristic values variables
- Text Variables
- Formula Variables
- Hierarchy Variable

## Analysis Functions

- Conditions
- Exceptions
- New Selections
- New Formulae

## Reporting Drilldown

- Drilldown to DSO from Info Cube (RRI)
- Copying Queries from Cubes

BEX Analyzer

BEX WAD

BEX Report Designer

Visual Composer

Migration Objects from BW 3.x to BI 7.0

Transportation

## Extraction

- Generic Data Extraction using MD/TD Tables
- COPA Extraction->CO
- Business Content Extractions using MD/TD MM and FI
- LO-COCKPIT Data Extraction

### Delta types for

- Generic Extraction
- LO Extraction->SD



# Other classes that we offer



- 
- QA
  - Business Analyst
  - QA and BA as a single course (Integrated QA+BA) at a reduced fee.
  - Healthcare as a Domain Class
  - Healthcare BA
  - Certification QA
    - QTP
    - ISTQB
    - Quality Center
  - Java
  - .Net
  - Oracle Financials (11i and R12)
  - Java
  - Project Management
  - SAP FICO, SAP BASIS, SAP HR
  - SAP Testing, SAS and Advance LoadRunner classes

*Contact us for details [Yes-M Systems, <http://myyesm.com>, 678-643-7777]*