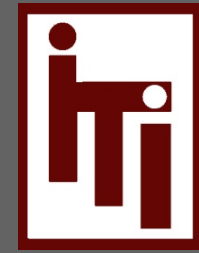




Ministry of Communications and  
Information Technology



Information Technology Institute



# Data Warehousing / Business Analytics

Intake 35

# Historical Background

- DW/BA Track started seven years ago to supply the increasing demand for Business Analytics consultants in the Egyptian and regional IT Market
- First Intake was in 2007 (Intake 28)
- Partnership with Teradata Company

# Track Purpose

- This track is composed of a unique blend of interdisciplinary courses and topics that builds a solid knowledge for its trainees from both business and technical aspects
- This track was designed to meet the growing demand for highly skilled Business Analytics professionals in the areas of predictive analytics, data warehouses development & integration, and Big data analytics

# Graduate Profile

- The track qualifies its graduates to be skillful candidates to start various career paths within Business Analytics(BA) & Data Warehousing (DW) discipline:
  - ✓ Business Intelligence Reporting
  - ✓ Data warehousing Architecting
  - ✓ Data Integration
  - ✓ Database Administration

# Graduate Domain

- Data Warehousing
- Data Mining
- Business Intelligence and Reporting
- Big Data Analytics Data Science
- Data Modelling
- Data Management / Integration
- Database Administration
- Database Development

# List of Courses

- **OS Foundation Courses**
  - Operating Systems Fundamentals
  - Red Hat System Administration I
  
- **Programming Foundation Courses**
  - Object Oriented Paradigm Using Java
  
- **Computer Networks Foundation Courses**
  - Computer Networks Fundamentals

# List of Courses

- **DB Foundation**
  - Database Fundamentals
  - Introduction to Oracle SQL and PL/SQL
  
- **ERP Foundation**
  - Enterprise Systems
  - Financial Accounting
  - Introduction to Supply Chain Management
  - SAP Overview & Navigation
  - ABAP Development
  
- **Agile SWE Methodology**

# List of Courses

- **DW/BA Concepts**

- Data Warehousing and Business Intelligence Concepts
- Business Statistics

- **SQL Programming**

- Oracle Advanced PL/SQL and SQL Tuning

- **Database Administration**

- Bash Shell Scripting
- Red Hat System Administration II
- Oracle DBA Fundamentals



# List of Courses

- **Data Warehousing**

- Introduction to Teradata Database & Teradata Physical Database Design
- Overview of Teradata Administrator
- Informatica "PowerCenter 8.5 Basics"

- **Data Mining Tools**

- Data Mining Methods & Techniques
- Applied Analytics using SAS Enterprise Miner

# List of Courses

- **Business Analytics Tools**
  - Oracle BI Tools
  - Business Objects Webi / Universe
- **BI Under ERP Packages**
  - SAP Netweaver BI
- **Big Data Analytics**
  - Introduction to Hadoop
  - Big Data Analytics Fundamentals

# Certificates

- Oracle Database 11g Administrator Certified Associate.
- Oracle Database 11g Administrator Certified Professional.
- Teradata Certified Professional.
- SAP Certified Application Associate – SAP BusinessObjects Web Intelligence 4.0
- EMC<sup>2</sup> Data Science Associate (EMCDSA)

# References

- Introduction to SQL: <http://www.w3schools.com/sql/>
- Basic Database Concepts <http://www.oracle.com/pls/db112/homepage>
- Introduction to Data Warehousing [http://docs.oracle.com/cd/E11882\\_01/server.112/e25555/toc.htm](http://docs.oracle.com/cd/E11882_01/server.112/e25555/toc.htm)
- Introduction to Data Mining [http://docs.oracle.com/cd/E11882\\_01/datamine.112/e16808/toc.htm](http://docs.oracle.com/cd/E11882_01/datamine.112/e16808/toc.htm)
- Business Intelligence Tutorial <ftp://ftp.software.ibm.com/ps/products/db2/info/vr7/pdf/letter/db2tue71.pdf>

# Our Staff

- ERP department has been established 2005
- Staff Members:
  - Shahinaz Azab
  - Mona Hassan
  - Marwa Aboel Fetouh
  - Mona Saleh
  - Sarah Gamal
  - Salma Mamdouh

# Contact Us

- Contact ERP department for inquiries
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# ITI Links



## **Common FAQs**

URL: <http://www.iti.gov.eg/faq>



## **Connect with ITI : Ask iTi**

URL: <http://www.facebook.com/Ask.iTi.gov>



## **Tracks Information**

URL: <http://www.iti.gov.eg/students/53/9-month-professional-diploma>



**Thank You**