INT
המרכז הבינלאומי
ללימודי הייטק וחדשנות

Power BI Course

In today's fast-paced business landscape, data holds the key to making informed decisions and gaining a competitive edge. That's where Power BI steps in – your ultimate business analytics companion, crafted by Microsoft. Imagine effortlessly transforming raw data into stunning visual masterpieces, revealing insights that were once hidden in spreadsheets.
Power BI empowers you to connect to various data sources, giving life to your information and turning it into interactive reports and dynamic dashboards.

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You Must Know!

Hours
40 academic hours

Who should attend?
This course is designed for professionals working in the IT and software development departments, particularly those who are currently involved in implementing or developing information systems. Participants should have a background in business operations and familiarity with basic data concepts.

Our lecturers
INT College has a faculty of instructors and training experts, leading in their fields, with extensive practical experience in applying and teaching the subjects in the hi-tech industry in Israel and worldwide.

Eligibility for INT College's Certificate
An INT College certificate will be awarded to graduates who meet the course's regulations, submit all exercises and assignments, and attend at least 85% of the lessons.

Main Topics

Module 1: Introduction to the world of BI

- Power BI Demo (End users)
- BI tools in the data stack (Databases, Data Lake, Data Warehouse, ETL/ELT Processes)
- Roles and Responsibilities (Data Engineer, Data Analyst, Business Analyst, Stakeholders)
- Data Sources and Connectors
  - Working with a Data Warehouse
  - Working directly with operational systems/Databases (connectors)

Module 2: Data preparation and Modelling:

- Planning a Data Model
- Loading data into Power BI
- Power BI Query Import Options
- Query Editor Transformations
- Working with Relationships

Module 3: Power BI Desktop Reports

- Power BI User Interface Walkthrough
- Default Settings and best practices
- Testing data integrity (QA techniques)
- Visual Considerations for different data presentations

Module 4: Data Analysis Expressions (DAX)

- What is DAX?
- Measures and Calculated Columns
- Evaluation Context
- Formatting DAX Code
- Working with Variables
- Controlling DAX Values
- Error Handling

Module 5: Advanced DAX

- Time Intelligence
- Advanced filtering options
- Controlling relationship directions
- Working with parameters

Module 6: Calculation Groups and Field Parameters

- Displaying multiple metrics in the same visual
- Creating calculation templates

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מתקדמים
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