



# Microsoft Power BI Data Analyst

[www.cognixia.com](http://www.cognixia.com)

# About Cognixia

Cognixia- A Digital Workforce Solutions Company is dedicated to delivering exceptional trainings and certifications in digital technologies. Founded in 2014, we provide interactive, customized training courses to individuals and organizations alike, and have served more than 130,000 professionals across 45 countries worldwide.

Our team of more than 7000 industry experts facilitate more than 450 comprehensive digital technologies courses, along with state-of-the-art infrastructure, to deliver the best learning experience for everyone. Our comprehensive series of instructor-led online trainings, classroom trainings and on-demand self-paced online trainings cover a wide array of specialty areas, including all of the following:

- IoT
- Big Data
- Cloud Computing
- Cyber Security
- Machine Learning
- AI & Deep Learning
- Blockchain Technologies
- DevOps

Cognixia is ranked amongst the top five emerging technologies training companies by various prestigious bodies. We're also RedHat Enterprise Partner, Microsoft Silver Learning Partner and an authorized training partner for ITIL, Automation Anywhere and ISC2.





# OUR AWARDS & AFFILIATIONS

 **Best Workplace Amongst Emerging Enterprises** Awarded By  
**Great Indian Workplace Awards – 2018**  
Mumbai, India



 **Best Training Provider of the Year**  
Awarded By  
**The Golden Globe Tiger Awards – 2018**  
Kuala Lumpur, Malaysia



**World HRD Congress** has awarded  
for Excellence in Training (Asia) 

  **WORLD HRD CONGRESS**  
Cognixia is awarded as  
Training Company of the Year, 2018

  **ISO 9001:2015 CERTIFIED**  
ISO 9001:2015 Certified  
Quality Management System

  **ISO/IEC 27001:2013 CERTIFIED**  
ISO/IEC 27001:2013 Certified  
Information Security Management System

  **AFRICA C**  
Best Emerging Technology Training Organization  
at the Middle East Training &  
Development Leadership Awards 2018

 **TOP 5 CLOUD TRAINING INSTITUTIONS INDIA 2016**  **HIGHER EDUCATION REVIEW**

 **TOP 5 Big Data TRAINING INSTITUTES 2017**  **siliconindia**

 **TOP 10 IoT TRAINING INSTITUTES PROMISING IN INDIA 2017**  **HIGHER EDUCATION REVIEW**

 Top 10 IoT Training Companies for the  
Second consecutive year.  **2017 IoT India MAGAZINE**

 **siliconindia** BEST TRAINING PROVIDER  
**BIG DATA HADOOP DEVELOPER OF THE YEAR 2016**

 Top 10 IoT Training Institutes – 2016  
 **Analytics India MAGAZINE**

  **Asian Training & Leadership Award, Dubai**

 **TOP 5 Emerging Technologies TRAINING COMPANIES**  **siliconindia**

# AUTHORIZED TRAINING PARTNERS FOR





# Microsoft Power BI Market Outlook

- Gartner has recognized Microsoft Power BI as a leader for the 16th consecutive time in 2023 Gartner Magic Quadrant for Analytics & Business Intelligence platforms
- Power BI simplifies report generation and customization while putting a focus on print-ready and publication-ready sharing
- Power BI offers the latest and strongest security models through Microsoft Azure and its built-in cluster architecture
- Top companies like Walmart, T-Mobile, Bayer, etc. have been using Microsoft Power BI to turn their data into immediate impact across their teams globally.

# Cognixia's Microsoft Power BI Data Analyst training & certification

This Power BI course discusses the different methods as well as best practices essential for effective modeling, visualizing, and analyzing data with Power BI. The course demonstrates how to access and process data from a range of data sources including both relational and non-relational data. The course also involves in-depth discussions on how to implement appropriate security standards & policies across the complete Microsoft Power BI spectrum including the datasets and groups. The course will also help learners understand how to manage & deploy reports as well as dashboards for sharing & content distribution.

## Who should take this course?

This course is ideal for data professionals and business intelligence professionals keen to learn more about analyzing data and delivering accurate insights using Microsoft Power BI. It would also be highly beneficial for individuals whose work involves or have an interest in learning about visualizing data from data platform technologies that exist on the cloud as well as on-premises.



# Prerequisites

To be eligible for this course and make the most of the concepts learned during the sessions, participants need to have

- Thorough understanding of core data concepts
- Knowledge of working with relational data in the cloud
- Knowledge of working with non-relational data in the cloud
- Knowledge of data analysis and visualization concepts

## Program Structure

- 30 hours of live online instructor-led training
- Industry-experienced instructor
- 24x7 dedicated PoC support
- Multiple hands-on exercises and labs to ensure a great learning experience

# DETAILED CURRICULUM : MODULES

## Module 1: Get started with Microsoft data analytics

- Data analytics and Microsoft
- Getting started with Power BI

## Module 2: Getting data in Microsoft Power BI

- Data analytics and Microsoft
- Optimize performance
- Resolve data errors
- Preparing data for Power BI

## Module 3: Cleaning, transforming, and loading data in Power BI

- Shaping the data
- Profiling the data
- Enhance the data structure
- Loading data

## Module 4: Design a data model in Power BI

- Introduction to data modeling
- Working with tables
- Dimensions and hierarchies
- Create model relationships
- Configure tables and column properties
- Create hierarchies

## Module 5: Create model calculations using DAX in Power BI

- Introduction to DAX
- Real-time dashboards
- Advanced DAX
- Create calculated tables
- Create calculated columns

- Use the Calculate() function to manipulate filter context
- Use time intelligence functions

## Module 6: Optimize model performance in Power BI

- Optimize the data model for performance
- Optimize DirectQuery models

## Module 7: Create reports in Power BI

- Design a report
- Enhance the report
- Create and configure Sync Slicers
- Create a drill-through page
- Apply conditional formatting
- Create and use bookmarks
- Configure visual fields and format properties

## Module 8: Create dashboards in Power BI

- Create a dashboard
- Real-time dashboards
- Enhance a dashboard
- Pin visuals to a dashboard
- Use Q&A to create a dashboard tile

## Module 9: Identify patterns and trends in Power BI

- Advanced analytics
- Data insights through AI visuals
- Create animated scatter charts
- Use the visual to forecast values



# DETAILED CURRICULUM : MODULES

## **Module 10: Create and manage workspaces in Power BI**

- Creating workspaces
- Sharing and managing assets

## **Module 11: Manage files and datasets in Power BI**

- Parameters
- Datasets

## **Module 12: Row-level security in Power BI**

- Security in Power BI
- Configure many-to-many relationships
- Enforce row-level security

# Cognixia USPs



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REAL-LIFE PROJECTS & CASE STUDIES



INDUSTRY EXPERTS AS TRAINERS



INDUSTRY STANDARD CERTIFICATE





# POTENTIAL CAREER OPTIONS

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DATA ANALYST

BI DEVELOPERS

SQL DEVELOPERS

TECHNOLOGY ENGINEERS

DATA VIZUALIZERS

DATA TRANSLATOR



# Microsoft Power BI Data Analyst



To learn more visit  
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