# Digital Transformation

## Duration: 8 Hours (1 Day)

## Overview

The Digital Transformation course is a comprehensive program designed to equip learners with the knowledge and skills necessary to navigate and lead the digital evolution of business. The course offers a deep dive into various strategic and technological domains that are crucial for driving modern IT strategies and facilitating transformation efforts within organizations.Starting with Module 1, learners will understand the evolution of IT strategy, from old-fashioned to traditional, and ultimately the modern approaches that align with today's digital demands. Module 2 focuses on what digital transformation is, exploring different frameworks, potential benefits, and assessing current standings in the transformation journey.As the course progresses through Module 3 to Module 8, it covers key technology trends, the ins and outs of blockchain, big data, artificial intelligence (AI), cloud computing, and the Internet of Things (IoT). Each module breaks down the complexities of these technologies, their applications, and strategic considerations, including financial, legal, security, and risk management aspects.By the end of the course, learners will have a holistic understanding of digital transformation, enabling them to implement and manage technology-driven changes effectively. This course is ideal for professionals looking to enhance their strategic IT and digital skills to meet the challenges of the digital age.

## Audience Profile

Koenig Solutions' Digital Transformation course equips professionals to navigate and implement cutting-edge IT strategies and innovations.

- CIOs and IT Managers
- Digital Transformation Consultants
- Business Strategists and Development Managers
- IT Professionals seeking to advance in digital strategy roles
- Project Managers and Team Leaders involved in IT projects
- Entrepreneurs looking to leverage digital technologies
- Data Analysts and Scientists
- AI and Machine Learning Engineers
- Cloud Solutions Architects
- Security Analysts and Compliance Officers
- IoT Developers and Technical Program Managers
- R&D Managers
- Blockchain Developers and Strategists
- Professionals in charge of Business Continuity and Disaster Recovery
- Legal Advisors specializing in IT and cybersecurity
- Financial Planners and Analysts focusing on IT investments

## Course Syllabus

### IT strategy

- The old-fashioned way
- The traditional way

- The modern way

## Digital Transformation

- What is digital transformation
- Digital transformation frameworks
- Potential benefits
- Where are we standing

## Technology Trends

- Technology trends
- High-level strategy
- Research and Development

## Blockchain

- What is blockchain
- How it works
- Example of application
- When to consider blockchain
- Types of blockchain
- Benefits and drawbacks

## Big Data

- What is Big Data
- What is Data Science and Data Analytics
- Data Science lifecycle
- Possible applications
- Benefits and drawbacks

## Artificial Intelligence

- What is Artificial Intelligence (AI)
- History of AI
- AI Technologies
- Benefits and drawbacks

## Cloud Computing

- Cloud computing guidelines
- Characteristics of cloud computing
- Service models
- Deployment models
- Strategy
- Financial considerations
- Legal and compliance
- Security
- Business Continuity
- Migration strategy

## Internet of Things (IoT)

- What is the Internet of Things (IoT)
- Glossary
- Standards / protocols / communication
- Categories
- Challenges
- Ecosystem
- Strategy
- Cost considerations
- Risk
- Security