

AI, Cloud, and Digital Transformation Strategy for Leaders

Course Overview:

This 5-day course equips professionals with the strategic, technical, and governance skills required to lead digital transformation through the integration of **Artificial Intelligence (AI)** and **Cloud Computing** technologies. Participants will learn frameworks, tools, and best practices aligned with PECB's Digital Transformation Officer and Certified Artificial Intelligence Professional (CAIP) programs. Real-world case studies and implementation strategies will support participants in becoming effective AI and cloud champions within their organizations.

Prerequisites (Client Side):

- Professionals in mid to senior management, IT leadership, innovation, strategy, or transformation roles
- Basic understanding of digital technologies (AI, cloud, data, IoT, etc.)
- Willingness to explore governance, culture, and technology integration aspects

Day-Wise Table of Contents

Day 1: Foundations of Digital Transformation, AI, and Cloud

Focus: Setting the stage for transformation and AI awareness

- 1.1 Introduction to Digital Transformation
- 1.2 Role of the Digital Transformation Officer (from PECB DTO)
- 1.3 Overview of AI Concepts and Technologies
- 1.4 What is Cloud Computing?
- 1.5 Embedding AI into Tools, Products, and Services

- 1.6 Digital Maturity Models and Benchmarking (PECB DTO Module)
- 1.7 Barriers and Enablers of Digital Transformation

Day 2: Exploring Microsoft Azure & Business Value of Cloud and AI

Focus: Tools and benefits of cloud computing and AI at scale

- 2.1 Overview of Microsoft Azure
- 2.2 Business Benefits of Azure
 - Cost-Efficiency
 - Innovation
 - Agility
 - Security
- 2.3 AI Use Cases Across Industries (CAIP Reference)
- 2.4 Benefits of AI for Business Leaders
- 2.5 Transition to Platform Thinking (DTO Module)
- 2.6 Leveraging AI for Automation, Optimization, and Customer Experience

Day 3: AI and Cloud Strategy Planning & Governance

Focus: Building a scalable and responsible AI/cloud strategy

- 3.1 Developing an AI-Ready Culture
- 3.2 Building a Framework for AI Strategy (CAIP Module)
- 3.3 Key Decisions for Business and IT Leaders
- 3.4 Principles of Responsible AI (PECB CAIP)
- 3.5 AI Ethics and Bias Mitigation
- 3.6 Governance Systems and Oversight Procedures
- 3.7 Creating a Digital Transformation Roadmap

Day 4: Implementation of Digital, AI, and Cloud Strategy

Focus: Execution planning and operational alignment

- 4.1 Transition Strategies for AI and Cloud
- 4.2 Assigning Ownership and Responsibilities
- 4.3 Empowering Business Users and Subject Matter Experts
- 4.4 Digital Transformation Success Factors (DTO Framework)
- 4.5 Digital KPIs and Value Measurement
- 4.6 Risk Management in AI and Cloud Programs
- 4.7 Monitoring and Optimizing Strategy Execution

Day 5: Use Cases, Case Studies & Best Practices

Focus: Real-world applications and practical insights

- 5.1 Best Practices for Transitioning to Azure
- 5.2 Real Customer Stories and AI Use Cases
- 5.3 Organizational Models for AI Adoption
- 5.4 Tools for Implementation and Collaboration (DTO & CAIP Tools)
- 5.5 Change Management and Stakeholder Buy-in
- 5.6 Post-Implementation Audits and Improvements
- 5.7 Course Wrap-Up & Strategic Planning Worksheet