SpiralTrain
developer courses

Blockchain for Managers

Duration: 1 day   **Price: € 699**

Open Schedule

Audience Course Blockchain for Managers
The course Blockchain for Managers is intended for managers, product owners and business solution architects who want to get to know the possibilities and applications of Blockchain technology.
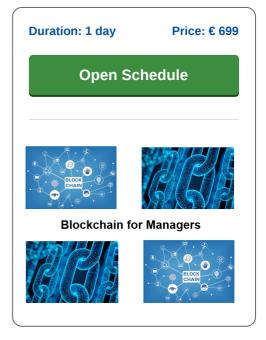
Prerequisites Course Blockchain for Managers
No specific prior knowledge is required for the course Blockchain for Managers. General IT knowledge and computer skills are sufficient.

Realization Training Blockchain for Managers
The topics are discussed on the basis of presentation slides. The discussion of various concrete case studies helps in the further clarification of the concepts. Course times are from 9.30 up and to 16.30.

Certification Blockchain for Managers
After successful completion of the course the participants receive a certificate Blockchain for Managers.

Blockchain for Managers

Content Course Blockchain for Managers

The course Blockchain for Managers discusses the essential features of Blockchain technology and Blockchain applications.

Blockchain Intro
The course Blockchain for Managers starts with an explanation of the structure of a blockchain in which blocks of arbitrary data are linked together by means of a cryptographic hash. Attention is paid to the fact that the data is immutable and therefore reliable. It also explained how the blockchain can act as a ledger of executed transactions.

Cryptocurrencies
Next cryptocurrencies, which are the best-known application of blockchain technology, are covered. The features of widely used cryptocurrencies such as Bitcoin and Ethereum are discussed. The difference between Prove of Work and Prove of Stake is treated and wallets and mining of cryptocurrencies are also covered.

Blockchain Use Cases
Next it is explained how blockchain technology is a distributed technology that also has applications outside the domain of cryptocurrencies. Attention is paid to how trust is obtained by matching data on different network locations. As examples the use of blockchain in supply chains, for food safety, in healthcare and in governmental organizations are discussed.

Blockchain Future
Finally the expectations regarding the future use of blockchain are on the course schedule. The promises and challenges of blockchain-based systems are discussed. Smart Contracts are also covered here.

Modules Course Blockchain for Managers

Module 1 : Intro Blockchain	Module 2 : Cryptocurrencies	Module 3 : Blockchain Usages
What is Blockchain?	What is Cryptocurrency?	Blockchain Networks
What is a Block?	Cryptocurrency Characteristics	Distributed P2P Network
Blockchain Features	Value of Cryptocurrency	Public and Private
Distributed Ledger	Cryptocurrency Types	Permissioned Networks
Immutable Records	Cryptocurrency Wallets	Network Consensus
Hashing	Transactions with Wallets	Consortium Blockchains
Chaining Blocks	Bitcoin	Use Cases of Blockchain
Change Protection	Prove of Work	Blockchain in Supply Chains
Blockchain Transactions	Bitcoin Price History	Tracing Food Production
Blockchain Benefits	Ethereum	Blockchain in IoT
Blockchain Versions	Smart Contracts	Blockchain in Healthcare
Blockchain Variants	ERC20 Tokens	Blockchain in Government
Blockchain Timeline	Proof of Stake	Perspectives and Challenges

Module 4 : Blockchain Systems
Blockchainification
Business Process Transition
Creating Business Cases
Use Smart Contracts
Control Blockchain Technology
HL Umbrella
Blockchain Integration
Building Trust
Promoting Transparency
Blockchain in the Cloud
Blockchain and Project Management
Role of Project Manager
On-time and on-budget?

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