

## Blockchain Training : An Overview for Business Professionals

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### Course Summary

#### Description

This course provides general overview of Blockchain technology in plain simple English without using technical jargon. It is specifically designed to answer the following questions:

- What is Blockchain? (What exactly is it?)
- Non-Technical Technology Overview (How does it work?)
- Benefits of Blockchain (Why should anyone consider this?)
- Use Cases (Where and for what apps is it appropriate?)
- Adoption (Who is using it and for what?)
- Implementation (How do I get started?)
- Costs (What does it cost to use this technology?)
- Future of Blockchain (What is its future?)

#### Topics

- History of Cryptocurrencies (Bitcoin) & Blockchain”
- What is Blockchain?
- Non-Technical Technology Overview
- Benefits of Blockchain – Myths & Facts
- Use Cases
- Industry Adoption
- Implementation
- Future of Blockchain

#### Audience

This course is designed for non-technical business executives who are tasked with making business decisions about leveraging Blockchain technology in their businesses. This course is NOT appropriate for technology professionals seeking to gain deeper understanding of Blockchain technology implementation or programming level depth. Since this is an overview course, this does not contain hands-on labs or programming exercises.

#### Prerequisites

There are no prerequisites for this course.

#### Duration

One day

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### Course Outline

#### I. *What is Blockchain?*

- A. Technology Overview
- B. History of Blockchain
- C. Cryptocurrencies (Bitcoin) & Blockchain

#### II. *Non-Technical Technology Overview*

- A. Cryptography for Executives
- B. Key Concepts
  - 1. Public Ledgers
  - 2. Hashes, Block Hashes
  - 3. Distributed & Peer to Peer Technologies
  - 4. Digital Tokens
  - 5. Smart Contracts
  - 6. Bitcoin Mining
- C. Authorization & Authentication
- D. Security

#### III. *Benefits of Blockchain – Myths & Facts)*

- A. Benefits of Blockchain – Myths & Facts
  - 1. Value of Blockchain
  - 2. Value of Smart Contracts
  - 3. Role & Value of Digital Tokens
  - 4. Common misconceptions about Blockchain
  - 5. Limitations

#### IV. *Use Cases*

- A. When is it appropriate or not appropriate to use Blockchain
  - 1. Digital Wallets & Payment Systems
  - 2. Money Transfers
  - 3. Transaction Tracking & Management
  - 4. Record Keeping
  - 5. Asset Management
  - 6. Financial Settlements
  - 7. Securities Transactions
  - 8. Contracts

#### V. *Industry Adoption*

- A. Who is using it and for what?
- B. Financial Services Industry
- C. Banking Industry
- D. Securities & Trading Industry
- E. Real Estate Industry
- F. Education
- G. Technology Industry
- H. Legal Industry
- I. Insurance
- J. Healthcare
- K. Supply Chain
- L. Manufacturing
- M. Retail
- N. Governments

#### VI. *Implementation*

- A. How do I get started?
  - 1. Requirements Definition & Business Use Case
  - 2. Proof of Concept Development
  - 3. Tools & Technology Infrastructure
  - 4. Deployment Strategy
- B. Costs: What does it cost to use this technology?

#### VII. *Future of Blockchain*

- A. What is its future?
- B. Industry by Industry Outlook