

Blockchain Awareness Training Curriculum

Module 1: Introduction to Blockchain

- History and Evolution of Blockchain Technology
- Key Features of Blockchain: Decentralization, Transparency, and Immutability
- Blockchain vs. Traditional Databases

Module 2: How Blockchain Works

- Basics of Distributed Ledger Technology (DLT)
- Components of a Blockchain: Blocks, Transactions, and Nodes
- Overview of Cryptography and Hashing

Module 3: Types of Blockchain Networks

- Public, Private, and Consortium Blockchains
- Differences and Use Cases of Each Network Type

Module 4: Blockchain Applications

- Blockchain in Finance: Cryptocurrencies and Payments
- Blockchain in Supply Chain and Logistics
- Blockchain in Healthcare and Identity Management

Module 5: Benefits and Challenges of Blockchain

- Advantages: Transparency, Efficiency, and Security
- Limitations: Scalability, Energy Consumption, and Adoption Barriers

Module 6: Real-World Case Studies

- Success Stories in Blockchain Adoption
- Lessons Learned from Blockchain Implementations

Module 7: Future Trends in Blockchain

- Blockchain in Emerging Technologies: AI, IoT, and Cloud Integration
- Potential for Blockchain in Governance and Social Impact

Module 8: Closing and Certification Preparation

- Recap of Key Concepts and Insights

- Certification Quiz and Discussion
- Resources for Further Learning

Key Features of the Blockchain Awareness Training

- **Beginner-Friendly:** Tailored for non-technical individuals with no prior blockchain experience.
- **Real-World Insights:** Includes case studies and examples to showcase practical applications.
- **Interactive Learning:** Engaging sessions that simplify complex concepts.
- **Industry Focused:** Explore blockchain's relevance in finance, healthcare, supply chain, and more.
- **Certification Ready:** Complete the course to gain a certificate of blockchain awareness.