EXIN Blockchain Foundation

Course Overview and Duration:

Duration: 2 Days
Course Delivery: Classroom or Virtual Classroom Environment (VCE)
Pre-requisites: There are no pre-requisites for this course

Course Overview:

EXIN Blockchain Foundation is a foundation level certification. It validates a professional's knowledge about blockchain as a ledger with potential as a worldwide, decentralized record for the registration, inventory, and transfer of assets: finance, property, products and intangible assets such as votes, software, health data and ideas. The certification covers the basic concepts of blockchain, the potential fields of application, the potential value for the organization and the technology driving blockchain. EXIN Blockchain Essentials is a certification that validates a professional's knowledge about:

- Blockchain basics;
- Blockchain challenges;
- Applications of a blockchain;
- Blockchain innovations.

Targeted Audience:

This certification is tailored to professionals involved in business operations in any domain, who are interested in blockchain as a cryptographic and smart contract solution.

Example job titles:

Developers, Solution Architects, Project Managers, CX/UX Developers, Account Managers, Legal Consultants, Accountants, Public Relations, Marketers, Crypto Journalists, Managers, Crypto Brokers, Analysts, Security Advisors

Course Description (Objectives):

Blockchain Basics
Explain how a blockchain works.
Explain what a node is.
Identify the role of a node in a network.
Explain what tokens are.
Differentiate between public, private and hybrid blockchains.
Explain how cryptography is used in a blockchain.
Explain how private and public keys are used in a blockchain.
Explain how hashes are used in a blockchain.
Explain the purpose ledgers have in a blockchain.
Explain the role mining has in a blockchain.
Recognize the types of consensus algorithms from a description.
Identify advantages and disadvantages of different consensus algorithms.

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Blockchain Challenges

Identify blockchain vulnerabilities.
Identify the risks community fractures and feuds pose to a blockchain.
Identify the risks fraud and scams pose to a blockchain.
Explain how the additional blockchain elements can be used to mitigate blockchain risks.
Explain the role of the public witness in a blockchain.

Applications of a Blockchain

Explain in which scenarios a blockchain is useful.
Explain how cryptocurrencies are used.
Identify the blockchain technology used in a scenario.
Differentiate between blockchain networks.
Explain the use of smart contracts.
Explain the use of decentralized applications (DApps).
Explain the role of decentralized autonomous organizations (DAO) and sophisticated smart contracts.
Describe possible applications for a blockchain with regard to identity.
Identify the possibilities of combining a blockchain with internet of things (IoT) or artificial intelligence (AI).
Identify the use of decentralized marketplaces and exchanges facilitated by blockchain technology.
Describe the role a blockchain can play in the supply chain.
Describe the role a blockchain can play in cross-border money transfers.

Blockchain Innovations

Explain what digital fiat currency and disruption in banking and currency are.
Explain how blockchain technology can change insurance.
Explain the use of blockchain technology for the protection of intellectual property rights (IP) and providence.
Explain how blockchain technology may change governments.
Identify applications for blockchain technology in e-mail and the trust layer for the internet.

Information about Certification:

The course fee includes the exam which is taken at the end of the course if classroom based or if taken as a VCE course, a voucher will be issued for you to take the exam on-line at a date and time that that suits you, using your own PC. Detail of the process will be communicated within the course

The Exam is a 60-minute exam, with 40 questions and the pass mark is 65%.

Additional details (materials, etc):

Each delegate will be provided a copy of the course presentation with supporting notes, sample exam questions quick reference guide and glossary.

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