

BLOCKCHAIN:

Blockchain technology refers to users operating with an ever-expanding list of records (known as blocks) that are connected exploitation cryptography. Every of those blocks contains a cryptographic hash of the previous block, dealing information, and a timestamp. It uses in financial institutions, cryptocurrency, Bitcoin mining, hyper ledger, good contracts, digital payment systems, and video games. Thanks to this reason, Blockchain coaching courses became quite trend. Relevant industries explore for candidate experts to figure with needed skills on a technology platform that uses cryptography and a distributed electronic messaging platform to create a shared ledger between totally different counterparties.

Blockchain technology could be a structure that stores transactional records, additionally referred to as the block, of the general public in many databases, referred to as the “chain,” in an exceedingly network connected through peer-to-peer nodes. Typically, this storage is brought up as a 'digital ledger. It's accepted that Blockchain technology will be wont to build cryptocurrencies; Bitcoin could be a for instance of this. Blockchain technology allows electronic transactions that are resilient even once giant amounts of cash are at stake.

Companies are currently therefore turning out with new business models using Blockchain technology to form new finance choices and money systems, that they have, experienced Blockchain candidates. Thus, you would like to affix a well-reputed Blockchain course coaching institute to boost your career prospects.

Course Content:

Module 1: Introduction to Blockchain:

- What is Blockchain?
- History of Blockchain Applications of Blockchain technology
- Tiers of blockchain technology
- Explaining Distributed Ledger
- Blockchain ecosystem Explaining
- Distributed Ledger

Types of Blockchain:

- Private/Consortium/Permission-less Public/Permissioned
- What Blockchain has to offer across Industry?
- Companies currently using Blockchain Benefits and limitations of a blockchain

Module 2: Blockchain Usages:

- Payment systems Cryptocurrencies (Bitcoins, Ethereum, Dash) Royalty collection
Management of copyrights Insurance

Development:

- Private Ethereum Network Smart contracts (e.g. Ethereum)
- DApps Hyper ledger (Hyper ledger Fabric)

Module 3: How Bitcoin Works

Crypto and Cryptocurrencies:

- Cryptographic Hash Functions Hash Pointers and
- Data Structures Digital Signatures Public Keys as Identities A Simple Cryptocurrency

Decentralization:

- Decentralization using blockchain Centralization vs.
- Decentralization Distributed Consensus Blockchain and full ecosystem decentralization
- Decentralized Applications Incentives and Proof of Work

Bitcoin Transactions:

- Bitcoin Definition Bitcoin
- Scripts Transaction Forms
- Constructing a Transaction

- Bitcoin Blocks Mining Transactions in Blocks Bitcoin Network Forking and SegWit

Module 4: Bitcoin Wallets, Exchanges and Mining

How to Store and Use Bitcoins

- Hot and Cold Storage Splitting and Sharing
- Keys Online Wallets Bitcoin Exchanges
- Currency Exchange Markets The Task of Bitcoin Miners Mining Hardware Energy Consumption & Ecology

Mining Incentives and Strategies

Module 5: Ethereum

- Alternate Coins what is Ethereum?
- What is Ether?
- Smart Contracts How to use Ethereum?
- The Ethereum ecosystem, DApps and DAOs How Ethereum mining works Learning Solidity
- Config Management with Puppet Contract

- Classes, Functions and conditionals Inheritance & abstract contracts Libraries Types & Optimization
- Global Variables Debugging Future of Ethereum Hyper ledger

Module 6: Ethereum Development:

- Setting up a development environment
- Development tools and clients

Hyperledger Module 7: H:

- Hyperledger as a protocol
- Hyperledger Fabric

Module 8: Setting up private Blockchain using Ethereum

Module 9: Scalability and Other Challenges

Module 10: Current Landscape and what's next



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Our learning methods include:

- Comprehensive course selection of Instructor-Led Training
- Logistical convenience and interactive classroom experience of Online Training
- Flexible pacing and instructor-guided support of Mentored Learning
- Self-paced convenience of Online ANYTIME

In addition:

- Interview preparation with mock interview drills
- Effective resume building
- Process of applying jobs at the right places

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