



BLOCKCHAIN

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Blockchain

Module 1: Cryptocurrency & Blockchain

Goal: In this module, you will learn the concept of cryptocurrencies and networking structure.

Objective: At the end of this module, you should be able to:

- Understand the drawbacks in current financial system
- Infer how spectrum of finance can be secured using distributed system
- Induce the key concepts which constitutes the Distributed System
- Infer various types of cryptocurrencies
- Deduce various uses of cryptocurrencies

Topics:

- Transformation in trading units
- Cryptography and Crypto-currency
- Anonymity and Pseudonymity in cryptocurrencies
- Digital Signatures
- Cryptocurrency Hash codes
- Distributed networks Skills:
- Cryptography concepts
- Cryptocurrencies
- Distributed Ledger – Concepts

Module 2: Delving into Blockchain

Goal:

In this module, you will learn blockchain technology and its architecture

Objective: At the end of this module, you should be able to:

- Explain blockchain and its uses
- Grasp the components of a blockchain ecosystem
- Induce the structure and mechanisms of a blockchain
- Deduce various cryptography and consensus algorithm
- Fathom different types of blockchain
- Infer various types of blockchain platforms

Topics:

- Introduction to Blockchain
- Why Blockchain is crucial?
- Key vocabulary while discussing Blockchain
- Distinction between databases and blockchain
- Explaining Distributed Ledger
- B l o c k c h a i n
- Blockchain structure

e c o s y s t e m



- Working of blockchain technology
- Permissioned and permission-less blockchain

Skills:

- Cryptography concepts
- Cryptocurrencies (Bitcoin)
- Distributed Ledger – Concepts
- Consensus Methods

Hands On:

- Show how a blockchain works

Module 3:

- Bitcoin and Blockchain

Goal:

- In this module, you will learn about bitcoins. You will understand why transactions with bitcoins is secure and efficient. Also, you will learn how bitcoin network works.

Objective:

At the end of this module, you should be able to:

- Infer bitcoin and its uses
- Deduce, how to store, buy and sell bitcoins
- Setup your own bitcoin wallet
- Explain the working of bitcoin transaction system.
- Perceive the scripting language of bitcoin
- Deduce nodes and network of bitcoin
- Comprehend various roles a person can play in Bitcoin ecosystem

Topics:

- Bitcoin and its History
- Why use bitcoins?
- Where and how to buy bitcoins
- How to store bitcoins?
- How and where to spend bitcoins?
- Selling bitcoins
- Bitcoin transactions
- How bitcoin transactions work
- What happens in case of invalid transactions
- Parameters that invalidate the transactions



- Applications of bitcoin script
- Nodes and network of bitcoin
- Various roles you can play in bitcoin ecosystem

Skills:

- Cryptocurrencies (Bitcoin)

Hands On:

- Setting up bitcoin wallet
- Creating a paper wallet
- Transaction tracking of bitcoin

Module 4: Bitcoin Mining Goal:

In this module, you will learn more about bitcoins and its mechanisms. You will understand why transactions with bitcoins is secure and efficient. Also, you will learn how bitcoin mining works. You will also be taught, how to mine bitcoin from your own personal computer

Objective:

At the end of this module, you should be able to:

- Deduce the purpose of mining
- Comprehend bitcoin mining
- Perceive the importance of mining pools
- Infer bitcoin security Topics:
- Purpose of Mining
- Algorithm used in mining
- Mining hardware
- How bitcoin mining works?
- Bitcoin mining pools
- How cloud mining of bitcoin works?
- Mining Incentives
- Security and Centralizations

Skills:

- Cryptocurrencies (Bitcoin)
- Mining Bitcoins Hands On:
- Installing bitcoin mining software
- Mining bitcoin on your PC



Q: Why should I choose Training Basket over other training providers?

Ans. Training Basket provides a unique amalgamation of quality, convenience, flexibility and cost. Training Basket has some of the best trainers in the industry. Our trainers excel not just in depth and width of knowledge, but also in their patience and ability to explain difficult concepts in simple terms.

Training Basket has made serious investments with long-term vision for ensuring good environmental factor for studies by first buying their own suites in the prestigious iThum Towers in NOIDA, Sec-62. This lets us configure our labs and classroom suited best to our student's comfort and focused studies.

Q: What is the criterion for availing the Training Basket job assistance program?

Ans: All Training Basket students who have successfully completed their training in any of our courses are directly eligible for placement assistance.

Q: Which are the companies that Training Basket has placed students in the past?

Ans: We have exclusive tie ups with MNC's like Ericsson, Cisco, Cognizant, Tech Mahindra, MEON, Bingo, Genpact etc.

Q: Do I need a prior industry experience in getting an interview opportunity?

Ans: There is no need to have prior opportunity for getting an interview call. The successful completion of any industry level technology training at Training Basket is like an industry experience. This training makes you confident to clear interviews and we also conduct in-house mock interviews on our online assessment platform where we assess our student's skills by testing their code online or industry specific assessment before sending them for interviews.

Q: How does Training Basket assist in placement?

Ans: You will be guided on creating an attractive template based resume. You will get opportunity to attend free personality development program and mock interviews conducted by our SME's to boost your confidence for real interviews. Plus you will be given our level assessment platform where we assess our student's skills by testing their code online or industry specific assessment.

Q: If I don't clear in first attempt, will I get another chance?

Ans: Yes, for sure. Your resume will be active on our job portal and will be visible to all our associates and clients. Training Basket will continue to send your resume to future job requirements matching your profile till you land a job.

Q: Does Training Basket Guarantee job through it's job assistance program?

Ans: Training Basket does not guarantee job placement but it will continue to assist you on best efforts basis to place you in it's affiliated companies' network.

COMPANIES WHERE OUR STUDENTS ARE PLACED

**Tech
Mahindra**



Source Soft Solutions
We only believe in the best

Chi Networks™

ADS-eVER

MEON
DELIVERING GREAT SURFACES

BioMax™



Bingo
Change • Innovate • Lead

Dimensions
Five Dimensions Infotech

WTS Webtech Solutions

HCL

IBM

Infosys

accenture

HUAWEI

**Reliance
Jio Infocomm**

pinga™ solutions

DATA BRIDGE
MARKET RESEARCH

CoreIP
Technology Pvt Ltd

iSOURCE

**network
solutions**



Shailers
Solutions...for your need



SAMSUNG

indiatech
Solutions