

CERTIFIED BLOCKCHAIN PROFESSIONAL | CBCP

BLOCK
CHAIN



COURSE
B R O C H U R E

Introduction to the Course

Blockchain is a type of data structure. It is a growing list of blocks; where each block represents data, linked with cryptography. Each block contains a cryptographic hash function, a timestamp that measures the real-time creation and modification of a block.

With the recent surge of BitCoin, Blockchain Technology has become increasingly popular in the past few years. Hence most of the companies engaging in BitCoin or in any other cryptography related services where Blockchain is needed are recruiting Certified Blockchain Professionals | CBCP.

Due to these factors, the **Certified Blockchain Professional | CBCP** course by IEM Labs is gaining significant popularity in the US and other nations around the world. In this course, the students will be taught all the fundamental concepts and techniques of Blockchain in detail, starting from scratch.

Focus Areas



Immutability



Transparency



Decentralization



Consensus

The training sessions will be conducted by our industry experts who have been working in this field over the last 4-5 years. Using this certification credential, students will be able to apply for **BlockChain Professional** and related job roles.

This data security course brings a lot of motivation for the students since IEM Labs provides hands-on training procedures through projects and practical-oriented classes throughout the entire curriculum of the course.

We at IEM Labs provide both online (through platforms like “Go to Meeting”, “Google Hangout Meet”, “Zoom”, etc.) and offline mode of classes. The most salient benefit for any student to get trained by IEM Labs is the “One Year Lab Access”, i.e., every student from the date of admission will have access to our “Online Virtual Lab” for practicing and getting all notes, pre-recorded videos, and tools according to their courses for one year absolutely free of cost.

Market Job Openings

Listed below are the **Certified Blockchain Professional** jobs that are available in abundance for both students of IT and working professionals.

Blockchain UX Designer

[Click Here to View Jobs](#)

Blockchain Solution Architect

[Click Here to View Jobs](#)

Blockchain Quality Engineer

[Click Here to View Jobs](#)

Blockchain Legal Consultant

[Click Here to View Jobs](#)

About the Course

Course Type - Basic

Eligibility Criteria: -

- No basic knowledge is required
- Minimum system configuration required: -
 - o Intel i5 Processor
 - o 8GB RAM
 - o 1TB Hard Disk

Batch Size - 5 students maximum

Course Duration - 40 hours

Online

Offline

Course Fee: -

~~13000 INR~~ **10000 INR**

~~12000 INR~~ **10000 INR**

Training Location: -

Any

Kolkata

Course Content

Module 01	Introduction to Blockchain
Module 02	Network and Mechanism
Module 03	Blocks and Transactions
Module 04	Peer to Peer Systems
Module 05	Block Structure
Module 06	Dynamic Shared Ledger and Digital Signatures
Module 07	Blockchain Solution
Module 08	Hashes as Addresses and Using a Key as Identity
Module 09	Bitcoin
Module 10	Public Network and a Private Consortium
Module 11	Merkle Tree
Module 12	Ethereum Environment
Module 13	Decentralized Application (DApps)
Module 14	Decentralized Autonomous Organizations (DAO)
Module 15	Remix Testing
Module 16	Smart Contracts
Module 17	Remix Browser Define MetaMask
Module 18	Compile Script
Module 19	Testing Architecture
Module 20	Data Tampering
Module 21	Installing Modules
Module 22	Web3 Versioning
Module 23	Web3 Providers
Module 24	Refactor to Async/Await
Module 25	Verifying the Initial Message and Testing Message Updates
Module 26	Hyperledger
Module 27	Windows: Fabric Development Environment Setup
Module 28	Development Environment Topology
Module 29	Fabric Under the Hood (Concepts & Terminology)
Module 30	Ledger Implementation

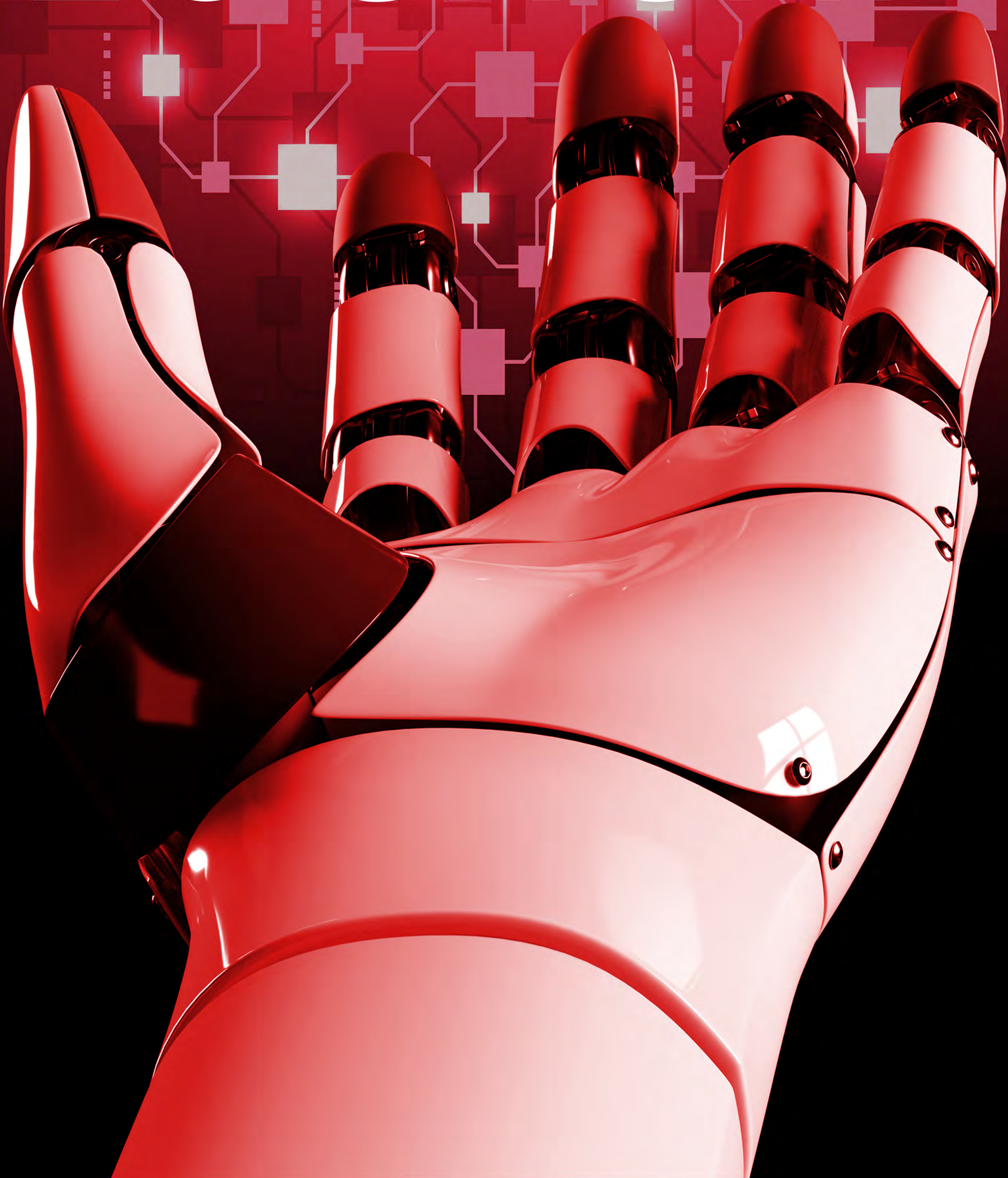
Course Content

Module 31	Dev Environment Walkthrough
Module 32	Hyperledger Composer
Module 33	Creating Private Blockchain with Multichain
Module 34	Blockchain Use Cases
Module 35	Project

CBCP



BLOCKCHAIN



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