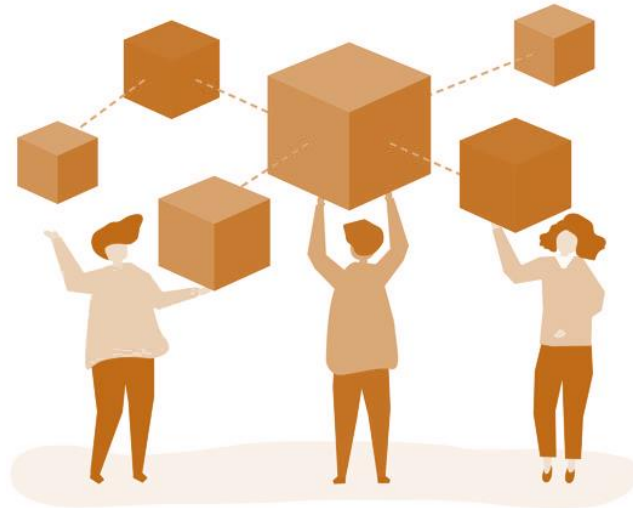


# **FUNDAMENTALS OF BLOCKCHAIN**

Is it just a word for you? No more, learn the concepts of **Blockchain** from the **government recognized trainer.**



## **WHO SHOULD ATTEND?**

- ✓ Enthusiastic Software Developers
- ✓ Software/Solution Architects
- ✓ IT Professionals
- ✓ Engineers
- ✓ Analysts
- ✓ Technical Leads

## **WHY LEARN BLOCKCHAIN?**

Blockchain is the latest buzz word for the town, the technology is said to disrupt major industries in the future. Blockchain is a powerful technology with applications in fields such as cryptocurrency, healthcare, insurance, government, music, identification, supply

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## DYNAMISERS SOLUTIONS

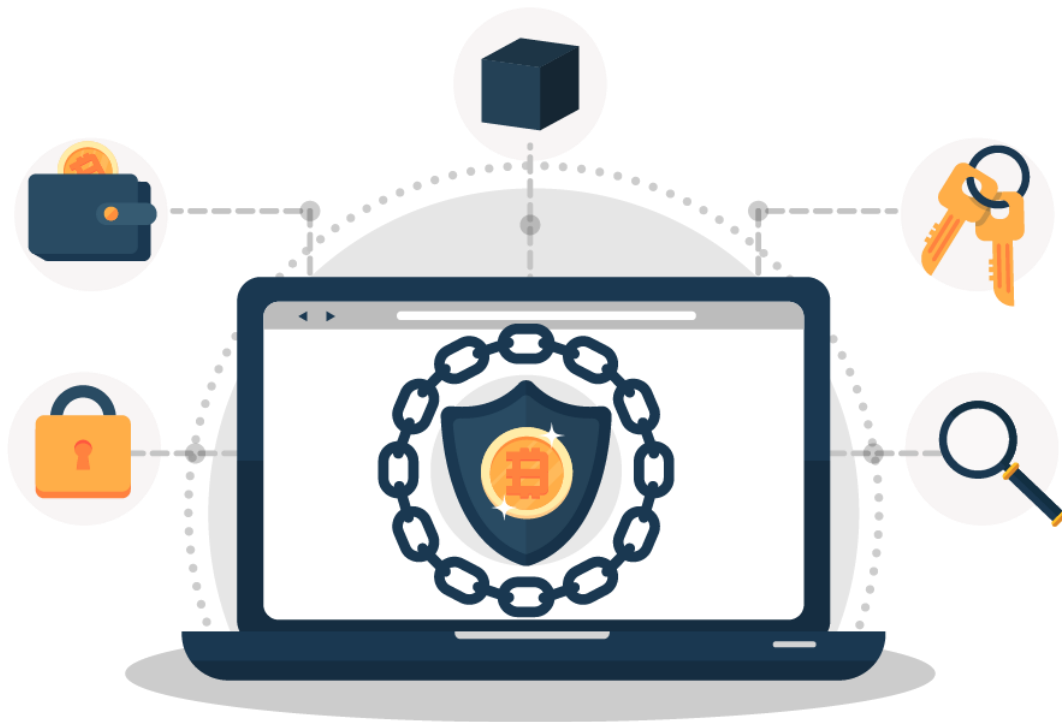
chain, data management, and many more. By understanding the fundamental mechanisms that power Blockchain, you can join the conversation and discover use cases for Blockchain in your own life and work.

### COURSE HIGHLIGHTS

In this course, you'll learn the structure and properties of the Blockchain itself and the individual blocks that make it up. You'll understand the Blockchain features that provide security between different Blockchain participants. You'll visualize different aspects of the Blockchain and create and tamper with your own blocks through interactive simulations

### BENEFITS TO THE LEARNER

- ✓ Deepen Your Intellectual Capital
- ✓ Manage Your Brand Capital
- ✓ Enhance Your Social Capital
- ✓ Enhance Your Career Capital



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# DYNAMISERS SOLUTIONS

## PREREQUISITE

- ✓ Persons with minimum Diploma/Degree or
- ✓ Pursuing Diploma/Degree
- ✓ Must have knowledge of basic internet, computer and programming knowledge

## LAB REQUIREMENT

- ✓ Laptop
- ✓ Python
- ✓ Anaconda
- ✓ Basic understanding of Programming

## LENGTH

- ✓ All modules of the training would be taught in a hands-on, application oriented manner using examples, exercises, and case studies.
- ✓ 4 Days training, each day we will have 8 hours of training.

## CLASS SIZE

- ✓ 15-20 batch size (Maximum 20)

## FACULTY



Being from the industry the faculty is not just a profession speaker but also a hands on trainer. The purpose of the 4 day workshop would serve the intension of sharing her knowledge and experience to bring out the max in your career.

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## COURSE SYLLABUS

Day 1		
1.	Introduction to Blockchain-I (basics)	1. Overview Introduction to Blockchain 2. Concept of Public Ledger
2.	Introduction to Blockchain-I (basics of Cryptography)	3. Hash Functions 4. Digital Signature 5. Merkle Tree
3.	Bit Coin and Smart Contracts	6. Overview 7. Transaction Lifecycle 8. Bit Coin Transactions and Input and output 9. Bit coin Scripts 10. Concept of Mining 11. Smart Contract Overview
4.	Blockchain	12. The Block in a Blockchain 13. Structure of a Block 14. Blockchain Models & their applications
5.	Blockchain -Protocols	15. Distributed Consensus 16. Consensus in Bit coin Network 17. Proof of Work(POW) 18. Proof of Stake(POS) 19. Proof of Burn(PoB) 20. Proof of Elapsed Time(PoET)

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# DYNAMISERS SOLUTIONS

## Day 2

1.	Blockchain-Applications	<ol style="list-style-type: none"><li>1. Cyber Security</li><li>2. Healthcare</li><li>3. Manufacturing</li><li>4. Smart Governance</li><li>5. Banking and Financial Services</li><li>6. Retail</li><li>7. Charity</li><li>8. Real Estate</li><li>9. Media</li><li>10. Transport and Tourism</li></ol>
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## Day 3

1.	Blockchain for Enterprise	<ol style="list-style-type: none"><li>1. Overview</li><li>2. The Linux Foundation Hyperledger Project</li><li>3. Hyperledger Fabric – Transaction Flow</li></ol>
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## Day 4

1.	Blockchain for Enterprise -Fabric Demo on IBM Blockchain Cloud	<ol style="list-style-type: none"><li>1. Setting up Blockchain network</li><li>2. Creating Channel, Adding Peers</li><li>3. Deploying simple application on Cloud</li><li>4. Marbles</li><li>5. Example Smart Contract Code</li></ol>
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# DYNAMISERS SOLUTIONS

## ABOUT US

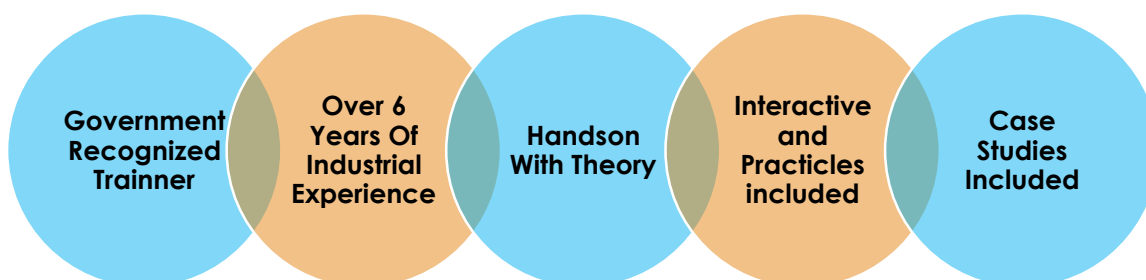


Dynamisers Solutions Pvt. Ltd. is a **Government Recognized Training Organization**. We have **6 years of expertise** by which we aim to help our students to achieve pinnacles in performance. We Provide Digital Marketing, Social Media Marketing, Artificial Intelligence, Machine Learning, Blockchain, Cyber Security, Entrepreneurship Development, Time Management and many more Trainings. We are the training partner of NIESBUS and MSME which are government organisations. We have clients and students across world. Our mission is to help students achieve their ultimate goals.

## CONTACT US

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## WHY US?



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