EDEX
INSTITUTE OF BLOCK CHAIN AND CRYPTOCURRENCY

A blockchain is “a distributed database that maintains a continuously growing list of ordered records, called blocks.” These blocks “are linked using cryptography. Each block contains a cryptographic hash of the previous block, a timestamp, and transaction data.

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ABOUT
EDEX IBC

It is a professional organization that focuses on developing professionals who are equipped with the expertise in the most advanced and latest technologies such as blockchain technology which is in very high demand now. Our expertise is in training students in making dApps mainly in banking & finance (DeFi), DeSci (Decentralized Science), and NFTs (Non-Fungible Tokens). IBC works with the support of highly qualified world-class programmers and teachers for smart contract/blockchain development and training. IBC has collaborations with various corporates in India, the USA, the UK, Singapore, and Malta, who all are keen on placing trained students with a pretty good fatty pay package. IBC develops commercial projects in blockchain technology which helps students to get better exposure to the core of the subject and practical experience. It applies a hands-on training methodology in training. well equipped classrooms and labs are provided for a better learning experience

WHAT
IS BLOCK CHAIN

A blockchain is a software that can be installed on any computer. A computer that installs this software is called a node. If that software is running on a computer and is connected to the internet, it is called a participating node. The set of participating nodes constitutes the blockchain. The nodes communicate with each other using message-passing protocols. It is a data structure. Blockchain can be thought of as a distributed ledger in which all the nodes hold a copy of the ledger. Anyone can send a transaction to the blockchain using client software / CLI tools or a wallet. These transactions will go to a transaction pool. A subset of transactions from the pool will be taken by a node and validated the transaction and get added to the blockchain. To answer the question of which node can validate the transaction and add it to the block, the blockchain implements a consensus mechanism. Proof of Work (POW) and Proof of Stake (PoS) are some of the main consensus mechanisms. Decentralization, Security, and Scalability are the main pillars of the blockchain. The security is implemented using cryptographic techniques. Blockchain software has technically 5 parts. 1. Data storage for the state changes recorded as a result of transactions. 2. Peer-to-peer networking for decentralized communication between nodes. 3. Consensus methodology to protect against malicious activity and ensure the ongoing progress of the chain. 4. Logic for ordering and processing incoming transactions. 5. Cryptography for generating hash digests for blocks and for signing and verifying the signatures associated with transactions. It is a combination of technologies like internet protocols, distributed computing, and cryptography. Blockchain can be used in banking & finance, supply chain management, government services (Ex. tax department, land & vehicle registration), agriculture, scientific research, etc. to achieve value addition. Through decentralization, the monopoly of centralized companies and the presence of middlemen can be avoided.

WHY
BLOCK CHAIN

Blockchain has emerged as an up-and-coming technology in the IT domain. The global blockchain technology market size was valued at USD 3.67 billion in 2020. It is expected to expand at a compound annual growth rate (CAGR) of 82.4% from 2021 to 2028. It is an open, immutable, distributed public ledger that can be accessed by several parties involved in the transaction and acts as a universal depository of all transactions between the involved parties. The increasing acceptance of Cryptocurrency worldwide is one of the major factors driving the market growth. Commercial and central banks across the world are now using blockchain technology for payment processing and issuing of their digital currencies. The technology enables cross-border payments that are less expensive and faster than traditional systems.

RULE
THE WORLD

Olaf Carlson-Wee,
CEO, Polychain Capital

"When decentralized blockchain protocols start displacing the centralized web services that dominate the current Internet, we'll start to see real internet-based sovereignty. The future Internet will be decentralized."

"The blockchain does one thing: It replaces third-party trust with mathematical proof that something happened."

LEARN THE FUTURE

Bitcoin is the most important invention in the history of the world since the Internet.

DApps

are the next generation of web applications. Here the backend is blockchain. Rather a smart contract is deployed in the blockchain.

Defi

is an implementation of a dApp in the field of banking & finance. Similarly, DeSci is the implementation of a dApp in the field of science and technology.

DAO

is the acronym for Decentralized Autonomous Organization. The business logic for a fully functional organization can be coded as a smart contract and deployed as a smart contract in any blockchain of your choice.

MISSION

IBC is an established intuition in the field of IT technologies. The company's founders believe in the policy of using advanced technical expertise and high quality training to provide our students with superior quality education.

> ***The blockchain symbolizes a shift in power from the centers to the edges of the networks.***

& VISSION

The IBC fosters academic and career success through the development of critical thinking, effective communication, creativity, and cultural awareness in a safe, accessible and affordable learning environment.

> ***Bitcoin will do to banks what email did to the postal industry***

LEVEL – 1 PROGRAM

Fee - 35,000 INR
Durarion - 6 Months

Entry Requirement

Graduates Or Non Graduates with an aspiration to understand the blockchain technology and intending to pursue a career in this blockchain technology.

A complete and comprehensive understanding of blockchain related technologies with minimal programming and mathematics

INTRODUCTION To Block Chain

Blockchain is a decentralised ledger which is transperent.

CRYPTOCURRENCY

Cryptocurrency is a digital asset/currency designed to work as a medium of exchange

DAPPS

Decentralised Applicationss(Dapps) are applications any software applications

PERMISSIONLESS BLOCK CHAIN

There are blockchain networks where any one can install the the

PERMISSIONED BLOCK CHAIN

There are blockchains particularly tailered to a particular company or a

BLOCK CHAIN USE CASES

1Supply chain management. Cryptocurrency etc.

SUBMISSION OF ASSIGNMENT – Individual

Candidates will be submitting the assignment on topics which will help for the assessing of the value and grade of the candidate. White paper design for DeFi protocol.Vulnerability analysis of major DeFi hacks.

LEARNING OBJECTIVES

Mint a Cryptocurrency

implement a liquidity pool to make it tradable

Design The WhitePaper

for a permission/ permissionless blockchain OR a Decentralized Autonomous Organization/ DEX/Dapp/Defi.

Complete & Comprehensive

understanding of blockchain-related technologies with minimal programming and mathematics

Build a Complete

web3 NFT application without writing code (using wizards) and deploy it in the open-sea marketplace

Creative Learning to Grow Your Future Career

LEARNING OUT COME

After completion of this level one course, the students will be able to design a whitepaper of a blockchain

After completion of this level one course, the students will be well equipped with the necessary skills to take up a job in the industry as a business analyst / blockchain sales personnel .

After completion of this level one course, the students will have a thorough understanding of blockchain technologies.

After Completion of level one candidates will have a knowledge on - NFT dApps and Defi apps using code generation wizards/templates

WHO
SHOULD ATTEND

Degree Graduate
Any Degree Graduate Seeking Profession In Finance

Teaching Professionals
Faculties In different sector, who would like to have a career progression

Technical Tutors
Technical tutors who wish to change or learn more in the latest upcoming technologies

Graduate Freshers
Graduate Fresher For CV Weightage

Tech Professionals
Software Programmers, Techical professionals who wish to enhance their career

Banking Sector
Banking And Financial Employees

cryptocurrency is an encrypted data string that denotes a unit of currency

WHY
CHOOSE IBC ?

IBC is an established institution in the field of IT technologies. The company's founders believe in the policy of using advanced technical expertise and high quality training to provide our students with superior quality education.

Hands on teaching, Job placement assistance national & international / Exposure to live projects are some of the benefits of studying at IBC

Experienced professionals from-Blockchain industry for providing practical oriented classes on "future of finance, banking & security"

Well-experienced trainers & Experienced programmers for better exposure

SCOPE OF BLOCK CHAIN

For apparent reasons, the future of blockchain technology is mostly in the area of cybersecurity. The data remains secure and verifiable despite the open and distributed nature of the Blockchain ledger. Cryptography is used to encrypt data in order to remove vulnerabilities like illegal data tampering.

Is blockchain technology a good career? There are many benefits to a career in block-chain. The technology is still in its early stages of development, which means there is significant potential for growth and advancement. Additionally, blockchain offers a unique opportunity to work with cutting-edge technology and solve complex problems.

01 Bitcoin

Bitcoin is a decentralized digital currency that you can buy, sell and exchange directly, without an intermediary like a bank. Bitcoin's creator, Satoshi Nakamoto, original-ly described the need for “an electronic payment system based on cryptographic proof instead of trust.”

02 *Web - 2*

Web2 is the kind of web sites you and I use nowadays. It is dynamic and interactive. The users are the main content developers apart from the owners/developers of the website.

03 *Web - 3*

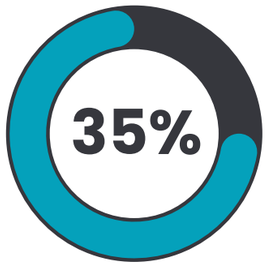
Web3 has just started and is in the beginning stage. It is aimed to democratize the web, rather than decentralize the web. In web2 the data is stored in a centralized server. But in web3, the data is stored in a decentralized way using blockchain technology.

BITCOIN
VALUE HIKE

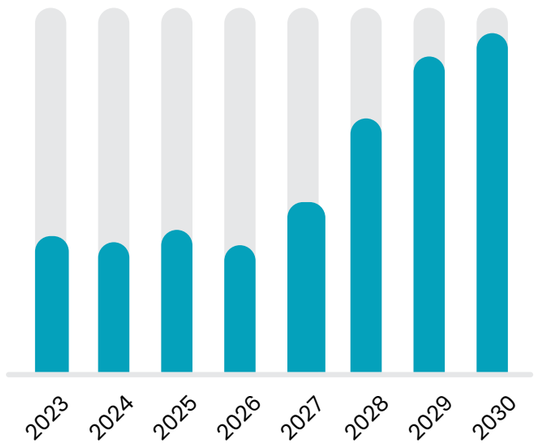
$ 19,041.60

Bitcoin's price hovered around $1,000 until it broke $2,000 in mid-May and then skyrocketed to $19,345.49

- *The high liquidity associated with Bitcoin makes it a potentially great investment vessel if you're looking for short-term profit.*
- *Bitcoin could be worth between $800,000 and $1 million in 10 years based on analysts' predictions. The $1 million price target is anticipated in 2030*



- *Rate Of a single bitcoin increased 35 % in a period of 4 years*



BLOCKCHAIN
USE CASES?

1) Supply chain management.

2) Cryptocurrency

3) Land registry service

4) Digital issuance of ownership of real world assets.

5) Decentralised Finance

DeFi boom is a very near equivalent of an apocalyptic event for the traditional financial institutions

Mohith Agadi