

Certificate Programme in **BLOCKCHAIN**



**BLOCKCHAIN
CERTIFIED DEVELOPER**



BLOCKCHAIN-THE FUTURE

To some, Blockchain is what Steam Engine was for Industrial revolution... To others, it is like the Internet in 1990's. We understood what it was, but we did not understand where it would go. The technology is emerging and ever evolving.

Blockchain technology creates a layer of 'Trust' in the digital transformation of the world. Blockchain creates trust because it represents a shared record of the truth. Data that everyone can believe in will help power other new technologies that dramatically increase efficiency, transparency and confidence. Blockchain is a hugely important, transformative technology that will re-shape businesses. It has a potential to disrupt several Industries and change the way we live.

No.1

Blockchain is listed as the Number one "Skill" for 2020 in a new report compiled by jobs site LinkedIn.

70%

IoT based companies are expected to adapt to blockchain as backend technology by this year end.

23.3 bn

Forecasts suggest that global blockchain technology revenues expected to climb to over 23.3 billion U.S. dollars in size by 2023

PROGRAMME HIGHLIGHTS



Live Online



Practical & Hands-On



Industry Mentor
Interaction



Participation In National
And International
Hackathons



Industry Certification



Industry Projects



Internship and
Placement Opportunity



Case Study Based
Approach



Personalized Assessment
Report

TOOLS YOU WILL LEARN

 **bitcoin**
ethereum
node
JS **HYPERLEDGER
FABRIC**
GitHub
solidity
docker
GO

SYLLABUS / CURRICULUM

MODULE 1

Blockchain Genesis

- ✓ Blockchain Trends
- ✓ Bitcoin and Blockchain
- ✓ Consensus Mechanism
- ✓ Properties of Blockchain
- ✓ Blockchain Use Cases

MODULE 3

Ethereum

- ✓ Introduction to Ethereum
- ✓ Ethereum Architecture
- ✓ Wallets
- ✓ ERC Tokens
- ✓ Smart Contracts

MODULE 2

Blockchain Foundation

- ✓ Distributed Computing
- ✓ Game Theory
- ✓ Blockchain and Cryptography
- ✓ Consensus Algorithms
- ✓ Blockchain Technology stack

MODULE 4

Building D'Apps

- ✓ Programming with Solidity
- ✓ Remix Compiler
- ✓ Building D'Apps
- ✓ Building Applications with Web3 Interface
- ✓ Implementing End to End Case Study

SYLLABUS / CURRICULUM

MODULE 5

Hyperledger

- ✓ Introduction to Hyperledger
- ✓ Hyperledger Framework and Tools
- ✓ Hyperledger Fabric
- ✓ Components of Hyperledger Fabric

MODULE 7

Hyperledger Fabric Network

- ✓ Hyperledger Network Components
- ✓ Hyperledger Network Configuration
- ✓ Dockers and Kubernetes
- ✓ Chaincode Deployment

MODULE 6

Hyperledger Chaincode

- ✓ Introduction To Chaincode
- ✓ Programming with Go /Node.JS
- ✓ Writing Chaincode
- ✓ Implementing end to end Case Study

MODULE 8

Capstone Project

- ✓ Problem statements by Mentors
- ✓ Assessment and Review by Industry Mentors

⚙️ 2 Hackathons

⚙️ 60+ Hours

⚙️ 4 Case Studies

⚙️ Project by Tech Mahindra

⚙️ Internship Opportunities

CERTIFICATE

On successful completion of the programme, you will earn a coveted certificate as Blockchain Certified Developer by Tech Mahindra



* The Certificate shown above is for indicative purpose only. The actual certificate may vary.

INDUSTRY MENTORS



Ageer Akhil

FELLOW, BLOCKCHAIN
GOVT OF TS



Arvind Voragunti

PRESIENT - BLOCKCHAIN
PRACTICE & PRODUCTS AT IDS INC



Dharmen Dhulla

BLOCKCHAIN ARCHITECT
TECH MAHINDRA



Jagadeesh Prasad

BLOCKCHAIN ARCHITECT
TECH MAHINDRA



Pankaj Diwan

BLOCKCHAIN EVANGELIST
IDEALABS



Pavan Adipuram

FOUNDER
CHITMONKS



Praful Vinayak

FOUNDER
DAPP LOGIX



Prasanna Lohar

CIO
DCB BANK



Srinivas Mahankali

HEAD-COE
UL TECHNOLOGY SOLUTIONS PVT LTD

BEST-IN-CLASS BLOCKCHAIN INDUSTRY EXPERTS

BENEFITS

- ✓ Learn Latest technology like Blockchain which has immense potential
- ✓ Learn from Industry Experts
- ✓ Certification from Tech Mahindra
- ✓ Industry Projects and Case studies
- ✓ Live online and Video backup of sessions
- ✓ Personalized Assessment Report by Industry Mentor
- ✓ Participate in National and International Hackathons
- ✓ Career Guidance

Internship and Placement opportunity on successful completion

LEADERS SPEAK

JAYESH RANJAN

Principal Secretary, ITE&C, Govt. of Telangana



I Congratulate Tech Mahindra and Idealabs for launching this programme. This is the need of the hour. I'm sure participants will benefit a lot from this programme.

RAJESH DHUDDU

Blockchain & CyberSecurity Leader, Tech Mahindra



We are happy to partner with Idealabs for this initiative. It will provide access to Blockchain learning and career opportunities for students and Professionals across India.

VINAY AGRWAL

Global Head - HR, Tech Mahindra



Blockchain is one of the key skills in Digital Transformation. It can create a differential on your resume.

UDAY DESAI

Prof. Emeritus and Founding Director, IIT Hyderabad



Ideally, this certificate by Tech Mahindra and Idealabs should be created as a Credit course in the syllabus. This can be of great advantage to students and Academia.

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YOUR DREAM CAREER!
JUST A CLICK AWAY !!!

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