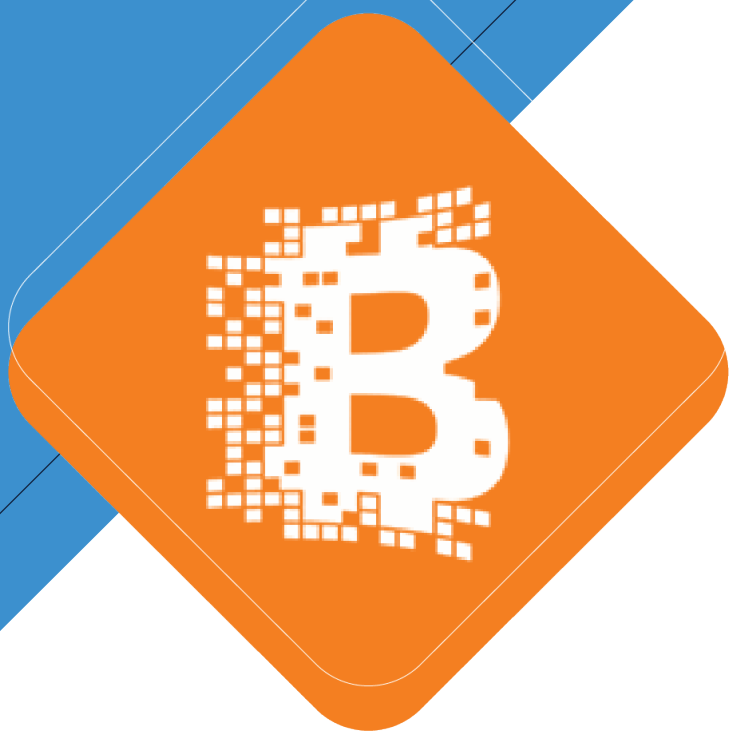


Certificate Programme in **BLOCKCHAIN**



**BLOCKCHAIN
CERTIFIED EXPERT**



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



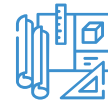
Industry Mentor
Interaction



Hackathons



Industry Certification



Industry Projects



Virtual Internship



Case Study Based
Approach



Personalized Assessment
Report

TOOLS YOU WILL LEARN



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 9

R3 Corda

- ✓ Introduction to Corda
- ✓ Programming In Corda
- ✓ Setting up Corda Network
- ✓ End to end case Study

MODULE 6

Hyperledger Chaincode

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

MODULE 10

Enterprise Ethereum

- ✓ Intro to Enterprise Ethereum
- ✓ Tools and Utilities
- ✓ Setting up the Network
- ✓ Deploying Applications

MODULE 7

Hyperledger Fabric Network

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

MODULE 11

Blockchain - An Architect's View

- ✓ Major Frameworks in Blockchain
- ✓ Ethereum, Hyperledger, Corda
- ✓ Comparison of Frameworks
- ✓ Choosing the right framework for a Business Usecase

MODULE 8

Advanced Hyperledger Fabric

- ✓ Hyperledger Fabric Architecture Deep dive
- ✓ Hyperledger Fabric Consensus Mechanisms
 - SOLO, Kafka, RAFT
- ✓ MultiOrg Network Setup
- ✓ Business Network management

MODULE 12

Create Your own Blockchain

- ✓ Need for creating your own blockchain
- ✓ Blockchain Forking
- ✓ How to create your own Blockchain
- ✓ Best Practices

SYLLABUS / CURRICULUM

MODULE 13

Blockchain Design Thinking

- ✓ Introduction to Design Thinking
- ✓ Blockchain Design Thinking
- ✓ Best Practices
- ✓ Scalable Architecture Design

MODULE 15

DEFI

- ✓ Defi Demystified
- ✓ Defi Application Framework- MakerDao
- ✓ CBDC and its anomaly
- ✓ Future with Defi

MODULE 14

Self-Sovereign Identity

- ✓ Blockchain and Identity Management
- ✓ Hyperledger SSI Projects
- ✓ Building your SSI
- ✓ Decentralized Identity Foundation

MODULE 16

Token Economy

- ✓ Emergence of Token Economy
- ✓ Types of Tokens
- ✓ NFTS
- ✓ Create your own NFT Marketplace

 3 Hackathons

 120+ Hours

 8 Case Studies

 Virtual Internship

 24*7 Cloud Based Lab

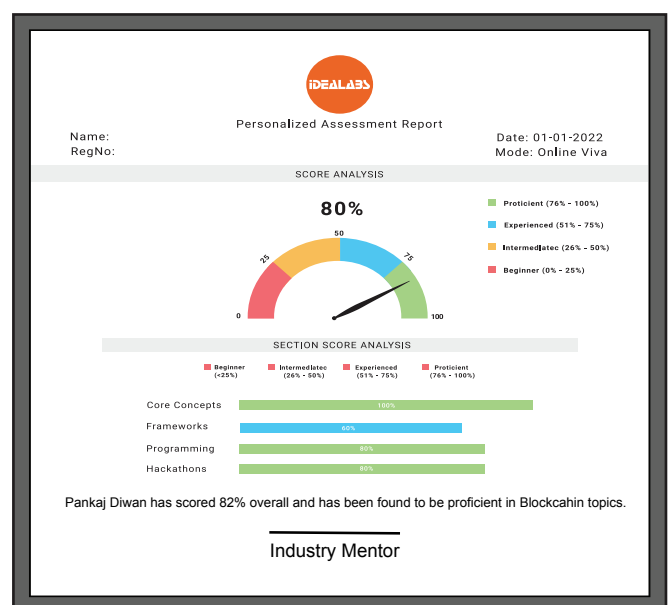
 Personalised Assessment Report

CERTIFICATE

On successful completion of the programme, you will earn a coveted certificate as Blockchain Certified Expert by Tech Mahindra and a Personalised Assessment Report by an Industry Mentor.



Personalised Assessment Report



*The Certificates shown above are for indicative purpose only. The actual certificates may vary.

INDUSTRY MENTORS



Ajay Jadhav

FOUNDER,
AYAN WORKS



Dharmen Dhulla

BLOCKCHAIN ARCHITECT
TECH MAHINDRA



Jagadeesh Prasad

BLOCKCHAIN ARCHITECT,
TECH MAHINDRA



Kishore Seshagiri

FINTECH LEADER
BROADRIDGE



Pankaj Diwan

BLOCKCHAIN EVANGELIST
IDEALABS



Prasanna Lohar

CIO
DCB BANK



Rama Iyer

CIO,
GMR Group



Sharat Chandra

PRESIDENT,
GBA INDIA



Srinivas Mahankali

HEAD-COE
UL TECHNOLOGY SOLUTIONS PVT LTD

BEST-IN-CLASS BLOCKCHAIN INDUSTRY EXPERTS

BENEFITS

- ✓ Learn from Industry Leaders
- ✓ Certification from Tech Mahindra
- ✓ Blockchain Community Connect
- ✓ Live online with backup videos
- ✓ Personalized Assessment Report by Industry Mentor
- ✓ 24*7 Cloud based lab access with support
- ✓ Peer network across top-notch companies
- ✓ Career transition support

Domain Specific Projects / Case Studies

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 AGRAWAL

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.

PARTNER ECOSYSTEM

Idealabs has tied up with a host of corporates and startups across various domains for case studies & internship opportunities. Participants will get an opportunity to work on live case studies.



Rajesh Dhuddu
Head of Blockchain Practice

We have an exclusive partnership with Idealabs for the Blockchain Certification Programmes. The participants of the programme will get an opportunity to work on case studies and PoCs and get mentoring from TechMahindra blockchain team



Venkat Maraju,
CEO

We are seeing a surge in requirements of digitization in agriculture using Blockchain for traceability of farm to fork. We are happy to engage participants from Idealabs in building these solutions.

DCB BANK



Prasanna Lohar
CIO

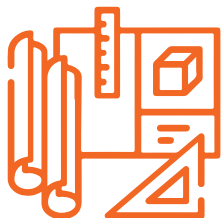
It's a win-win situation for us to work with Idealabs blockchain programme participants. We get fresh ideas and they get the domain insights from our team.



Rama Iyer
CIO, GMR Group

At GMR group, we see a huge potential for blockchain across our operations from aircraft management to logistics and supplychain management. We are keen on working on innovative usecases with Idealabs participants.

POST PROGRAMME SUPPORT



Client Project - Virtual Internship

Idealabs has tied-up with several corporates and startups in different domains like Supply-chain Management, Health, Agriculture etc. to avail case studies of Blockchain. The participants will get an opportunity to interact with the teams from these companies and work on their case studies.

The Participants will also get a client certificate on successful completion of the project.

Personalized Assessment Report

Every participant will get a personalized Assessment report by a senior Industry mentor from a reputed company. The personalized assessment report will be hosted on our website for future reference. This neutral assessment will serve as a testimony of your accomplishments.



Placement Support

Idealabs is currently working with more than 100 companies for their recruitment needs. The participants who complete the programme successfully will get a plethora of opportunities and job interviews. The Placement support shall continue for one year after the programme. Further the career advisory cell at Idealabs will work with you on the following aspects to improve your placement prospects:

Resume reviews | Mock Interviews | Job referrals

Incubation

There is lot of excitement for starting up a new venture. Idealabs is tied-up with several Incubators and Accelerators, startup enablers and Investment networks.

Any participant or team interested in starting-up will be incubated by Idealabs and get all the support in terms of Idea validation, mentoring, market access and funding opportunities.



Community Connect

Idealabs has a very strong presence in the Blockchain Ecosystem including professionals, industry leaders, corporates, startups and government initiatives.

Being connected with the Blockchain community is one of the most recommended ways to have continuous learning and opportunities.

Certificate Programme in **BLOCKCHAIN**

YOUR GREAT CAREER MOVE!
JUST A CLICK AWAY !!!

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 www.idealabsftv.in/blockchain

    /idealabsftv