



KERALA BLOCKCHAIN ACADEMY

A Centre of Excellence in Blockchain under
Kerala University of Digital Sciences Innovation,
and Technology (Digital University Kerala)



WHO WE ARE

Kerala Blockchain Academy (KBA) is a centre of excellence under the Kerala University of Digital Sciences, Innovation and Technology (KUDSIT), offering blockchain training, research, and consultancy. Devised in 2017, the industrial school is an active collaborator and advocate of distributed ledger technologies, especially the blockchain, offering different certification programs, research and development activities. Power-packed with young technology enthusiasts and research scientists, KBA is committed to embracing game-changing technology and bringing qualitative socio-economic changes to the world by bridging the gap of knowledge and improving employability.

DIRECTOR'S MESSAGE

Kerala Blockchain Academy (KBA) has emerged as a strategic partner for enterprises, academia, and government to bridge the skills gap in the field of blockchain technology. Over the years, KBA has successfully supported industries and academia to meet their talent needs providing quality blockchain skills to the youth and professionals. With our portfolio of programs expanding into digital infrastructures, we believe we are inching towards our vision of becoming the partner of choice in blockchain education. We will continue to invest in building a qualitative blockchain workforce to help our beneficiaries through a team of professionals.



DR. ASHARAF S.
(Director, KBA)



ADVISORY BOARD



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**ROBBY
SCHWERTNER**



DR. SAJI GOPINATH

OUR PORTFOLIO

Kerala Blockchain Academy focuses on delivering practical-oriented blockchain training programs which are industry-relevant. Towards the purpose, the institute has formulated its training portfolio to cover all the service lines.

30,000⁺
STUDENTS

1,025⁺
CLASSROOM TRAININGS

200⁺
BATCHES

12⁺
COURSES

OUR BENEFICIARIES



Students



Professionals



Teachers



Institutions



Companies



Government

CORPORATE PARTNERSHIP

Kerala Blockchain Academy is an active partner with a selected set of leading organizations such as NPCI, DRDO in the country. Through this partnership, KBA offers various value-added services to its members.

ACADEMIC PARTNERSHIP

Kerala Blockchain Academy offers premium memberships to Engineering, Science and Technology Institutions in India through its Kerala Blockchain Academy Innovation Club (KBAIC). KBA supports its member institution's faculty members and students with quality training resources and blockchain certifications.

KEY BENEFITS



Blockchain course contents worth **₹5 Lakhs** free for each member institution.



Faculty Coordinator and Student Members with **FREE** Blockchain Foundation Training.



Free access to **Developer Programs** for Faculty Coordinators & Student Members.



Two-month, online **learning assistance** for Developer Programs offered by KBA.



Discounted access to **Certified Blockchain Architect (CBR)** program – 8-weeks internship.



Blockchain **job notifications** for the candidates completing developer programs.



ACADEMIA- INDUSTRY INTERACTION

To bridge the gap between theoretical knowledge and practical applications, Kerala Blockchain Academy has instigated the following schemes to promote industry-academia interactions:

- Customized training programs focusing on industry needs will be delivered to students and academia.
- Organizing workshops, and tech conferences with joint participation of the faculty and the institutions.
- Establishment of industry-academia club and interaction meet-ups under different blockchain umbrellas.

ACADEMIC SEGMENTS

Kerala Blockchain Academy offers training programs on diverse blockchain streams, ranging from basic foundations to advanced blockchain developer programs. The institute has been pioneering its training model over the years to cater both offline and online training. For a virtual peer-to-peer learning experience, KBA have designed an E-learning platform comprising digital course materials, interactive lessons, hands-on exercises and summative assessments to assess one's learning.





MAP YOUR BLOCKCHAIN FUTURE

BEGINNER

- Blockchain Foundation Program **BFP**
- Hyperledger Fabric Fundamentals **HFF**
- Ethereum Fundamentals Program **EFP**
- Corda Fundamentals Program **CFP**
- Certified Web3 Associate **CWA**
- Developer Essentials For Blockchain **DEB**
- Certified Blockchain Associate **CBA**

ADVANCED

- Certified Ethereum Developer **CED**
- Certified Hyperledger Fabric Developer **CHF**

INDUSTRY-SPECIFIC

- Certified Blockchain Startup Program **CBS**
- Certified Blockchain Architect **CBR**

INTERNSHIP

- Blockchain Excellency Program **BEP** (12 months)
- Blockchain Internship Program **BIP** (3 months)



FOUNDATION PROGRAMS

FREE

(SELF-PACED, ONLINE)



BLOCKCHAIN FOUNDATION PROGRAM (BFP)

Introduction to DLTs, Cryptocurrency and Blockchain.
Principal features of Blockchain & Consensus Algorithms.
Ethereum Blockchain and Smart Contracts.
Hyperledger Projects / Tools and Hyperledger Fabric.
Blockchain Adoption Models and Key Challenges.



ETHEREUM FUNDAMENTALS (EFP)

Basics of Ethereum Blockchain.
Introduction to DApps, and Smart Contracts.
Solidity Contract Language.
Working with Ethereum Networks.
DApp Development on Ethereum Blockchain.



HYPERLEDGER FABRIC FUNDAMENTALS (HFF)

Public & Permissioned DLTs.
Hyperledger Umbrella Projects.
Hyperledger Fabric Modules.
Building Multi-org based Hyperledger Fabric network.
Develop & Deploy Node.js based Chaincode in Fabric.

Go

JS



CORDA FUNDAMENTALS COURSE (CFP)

Introduction to Corda, Tools & Frameworks.
Corda Components & Modules.
Building Corda Applications.
Writing Unit tests for the Corda Application.
Running Corda Application to the Developer Network.

GRADUATION PROGRAMS

(SELF-PACED/ INSTRUCTOR-LED)



CERTIFIED BLOCKCHAIN ASSOCIATE (CBA)

In Association With



Comprehensive Dictionary of Blockchain Fundamentals

Introduction to Blockchain Technology - History and Features, Consensus Protocols in Blockchain, Introduction to Ethereum World Computer, Working with Blockchain Application Stack, Hyperledger Umbrella Projects.

DURATION: 30 HOURS (REGULAR/ WEEKEND)





CERTIFIED ETHEREUM DEVELOPER (CED)

In-depth Training on Ethereum Blockchain Development

Introduction to Ethereum, Ethereum Virtual Machine, Workflow of DAPPS, Smart Contracts, Development Environments, Professional Development and Best Practices, Working with Truffle and Node.js, Developing and Deploying DAPPS on Ethereum Network.

DURATION: 60 HOURS + PROJECT (REGULAR/ WEEKEND)



CERTIFIED HYPERLEDGER FABRIC DEVELOPER (CHF)

In-depth Training on Hyperledger Fabric Development

Introduction to Hyperledger, Introduction - Case Study, Fabric Components and Architecture, Designing and Implementing Network, Introduction to Client App Development, Chaincode Development, Endorsement Policies, Certificate Authority - Fabric CA, Fabric SDK, Private Data, Hyperledger Composer.

DURATION: 60 HOURS + PROJECT (REGULAR/ WEEKEND)



CERTIFIED WEB3 ASSOCIATE COURSE (CWA)

It is a comprehensive program specifically tailored for beginners, emphasizing the practical implementation of Blockchain in Web3. The course is suitable for professionals, entrepreneurs, students, and enthusiasts alike, equipping them with practical skills to excel in the Web3 revolution. The course ensures participants gain a fundamental understanding and hands-on experience to leverage cutting-edge technologies such as NFTs, Crypto Wallets, Exchanges, Bitcoin, Cryptocurrencies, DeFi, CBDCs, etc.

DURATION: 20 HOURS/ 6 WEEKS



DEVELOPER ESSENTIALS FOR BLOCKCHAIN (DEB)

The course serves as a connecting link for developers who possess a fundamental understanding of programming and aspire to create applications in the blockchain realm. The program will focus on critical subjects like front-end development, back-end development, databases, containers, and git, facilitating a swift entry into DApp development. This course caters to individuals with a foundational programming background and a rudimentary comprehension of web development.

ONLINE, SELF-PACED



INDUSTRY PROGRAMS



CERTIFIED BLOCKCHAIN ARCHITECT (CBR)

Designed to nurture a world class BC Architect

Opportunity for Certified Ethereum Developers and Certified Hyperledger Developers to work on live blockchain projects with KBA's Research & Development team, gaining practical experience and exposure to all aspects of blockchain development. Eight weeks internship in a live project at KBA Garage/ Partner Location.

DURATION: 450 HOURS (REGULAR)



CERTIFIED BLOCKCHAIN STARTUP (CBS)

Realization of Blockchain Business Dream

Identification of Entrepreneurial Opportunities, Blockchain Business Use-Cases, Key Deliverables like Idea Generation, Company Formation, Finance, Marketing, and Acquisitions, Identification of Value Propositions and more.

DURATION: 50 HOURS + PROJECT (REGULAR/ WEEKEND)

In Association With



BLOCKCHAIN EXCELLENCY PROGRAM (BEP)

Bridging the Blockchain Skills Gap

The Blockchain Internship will offer the opportunity to work with a team of peers to improve their analytical and technical skills and work in a truly blockchain environment. Besides being mentored, the candidates will be allowed to take part in brainstorming, presentations, and development workshops.

DURATION: 12 MONTHS (OFFLINE)



OUR SOLUTIONS

CERTICHAIN



The blockchain-powered academic certificate issuance and verification help institutions to issue their certificates into blockchain and make information about the certificate accessible by anyone, anytime.

IMMUNOCHAIN



The award-winning project is a big data and blockchain technologies powered, mobile/ web-enabled vaccine traceability solution for immunization programs in India. The project is jointly supported by DBT, BIRAC and Bill & Melinda Gates Foundation.





SIGN-A-DOC



A blockchain-powered document signing and verification system developed by Kerala Blockchain Academy. Sign-A-Doc simplifies multi-party signing on a document and helps verify its authenticity with a button click.

SKILLCHAIN



Skillchain is a platform providing resource management for migrant/ unorganized laborers. Skillchain is a decentralized blockchain application that directly connects inter-state migrant workers with potential employers.

AGROCHAIN



Agrochain developed by Kerala Blockchain Academy is a platform for enabling/ nurturing the crowd-sourced, virtual cooperative entities for supply chain financing in the agriculture sector.

TRACK AND TRACE



The project aims to enhance the traceability system within the toddy industry by leveraging geospatial and blockchain technologies. This project aims to implement a digital solution that improves the current system utilized by the Kerala Excise Department.



ANNUAL BLOCKCHAIN SUMMIT **BLOCKHASH LIVE**

Every December, Kerala Blockchain Academy organizes a Blockchain Summit- BlockHash LIVE spotlighting the most influential leaders, decision-makers, visionaries, influencers and disruptors in blockchain technology, sharing how the technology can transform the digital landscape. BlockHash LIVE features the latest technological disruptions, briefing innovative enterprise use cases, tech talks, exhibitions and networking opportunities. Since 2018, BlockHash LIVE has secured its place on the global tech calendar as India's most happening blockchain summit.



KBA INNOVATION CLUB (KBAIC)

Kerala Blockchain Academy Innovation Club (KBAIC) is a novel initiative by Kerala Blockchain Academy (KBA) to help students from academic institutions across the country to explore deep into the potential of the blockchain technology. KBAIC provides an opportunity to work closely with experts and experiment the latest advancements in this domain. This will also help students to build their career in the disruptive world of blockchain.



GET IN TOUCH NOW!



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OUR INDUSTRY PARTNERS & COLLABORATORS

We work in close collaboration with our partners to turn ideas and innovation into reality.



Hyperledger
ASSOCIATE MEMBER



Hyperledger
TRAINING PARTNER



K-DISC
Kerala Development and Innovation
Strategic Council



BOSCH



ben
BLOCKCHAIN EDUCATION NETWORK



InterWork
Alliance
A Global Blockchain
Business Council Initiative



mlg
BLOCKCHAIN



ibfnet



Grant Thornton



DIGITAL
UNIVERSITY
KERALA

Curating a responsible digital world