

upGrad &

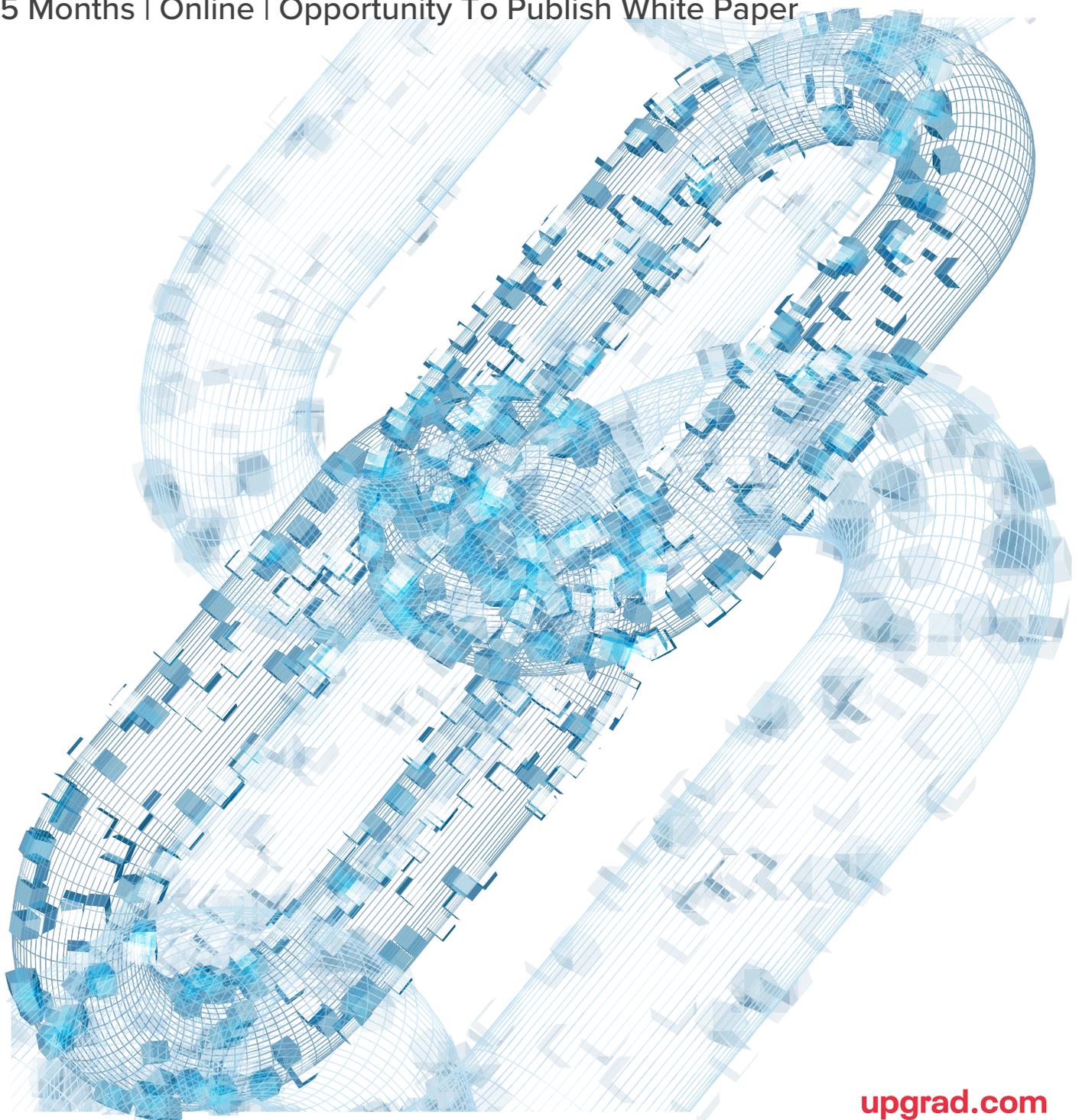


**Institute of
Management Technology**
Ghaziabad, Delhi NCR



Executive Program in **Blockchain Technology Management**

5 Months | Online | Opportunity To Publish White Paper



upgrad.com

About upGrad

upGrad is an online education platform to help individuals develop their professional potential in the most engaging learning environment. We, at upGrad, aim to upskill working professionals in new-age emerging technologies. Blockchain is one of the fastest growing technologies, with an exponential increase in demand for skilled professionals.

With our meticulously designed Executive Program in Blockchain Technology Management, we promise to equip you with the perfect mix of conceptual knowledge and hands-on experience to help you kickstart a successful career in the industry and 360 degree learning experience. At upGrad, we aim to significantly leverage technology in order to transform the way education is delivered in the digital age.

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**Our aim is simple:
We strive to create high-impact,
hands-on experiences that prepare
students for meaningful and
productive careers.**

Ronnie Screwvalla
Co-founder & Chairman

upGrad



About IMT Ghaziabad

Established in 1980, **Institute of Management Technology Ghaziabad (IMT-G)** is India's premier management school and is only the 4th business school in the country accredited by the coveted AACSB.

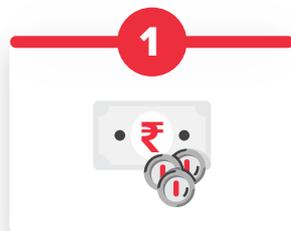
Strategically located in Delhi-NCR region, IMT-G has distinct focus on grooming leadership through Innovation, Execution and Social Responsibility.

IMT Ghaziabad is the proud alma mater of more than **300 C-suite executives** which include renowned personalities like Sachin Pilot, Praseon Joshi, Nimmagadda Prasad, to name a few. With special focus on Sales and Marketing, Finance and HR, thousands of professionals serving in leadership positions in the best-known organisations in India and around the world, are a part of the IMT-G network.



Why Did The Industry Adopt Blockchain?

Most of the appeal towards Blockchain technology revolves around four themes associated with its key features. These include:



Significantly low transfer and interaction fees



Security and trust



Openness, transparency and dependability



Integrating the digital and physical world



An incorruptible digital ledger of economic transactions that can be programmed to record not just financial transactions but virtually everything of value. 🗨️

Alex Tapscott

Author - "Blockchain Revolution"

Key Adapters Of Blockchain

Pureplay Tech:

Google, Facebook, Amazon

IT Services And Infrastructure:

Microsoft, IBM, Jio

BFSI:

SBI, VISA, Goldman Sachs

Supply Chain:

MAERSK, FedEx, Walmart

India's Adaptation Of Blockchain

The distributed ledger has proven its mettle in every sphere of activity and the Indian industries have jumped on the bandwagon, even pioneering path-breaking, Blockchain-based solutions that set the stage for more developments to follow.

✔ Blockchain And The Indian Industry

- IBM in Jan 2018 started its Blockchain project with 15 Indian insurance companies to help them access information on KYC, claims and medical history.
- Top companies like HDFC Life Insurance, SBI Life Insurance, Canara HSBC Oriental Bank of Commerce Life Insurance etc have adapted Blockchain.
- In March, Mumbai-based Blockchain startup, Nuo Bank, raised \$250,000 (₹ 1.6 crore) from payment gateway firm PayU.
- The share of India in global Blockchain/ crypto jobs increased from less than 1% in 2015 to about 7% in 2016 and over 8% in 2017, according to the company.

✔ The Indian Govt Says 'YES' To Blockchain

- Then Finance Minister Arun Jaitley acknowledged the value of Blockchain and assured the government's commitment to exploring the use of Blockchain technology for ushering in the digital economy in Annual Budget 2018.
- NITI Aayog, a policy think-tank of the Government of India, co-hosted the biggest Blockchain conference in Asia, [International Blockchain Congress 2018](#) with the state governments of Telangana and Goa.
- NITI Aayog is also exploring opportunities to deploy Blockchain technology in industries including drugs and fertilisers by 2020.



Blockchain Jobs In India



The number of blockchain practitioners has increased by a factor of 100% over last year, with demand increasing equally.



Paul Dupuis

Managing Director, Randstad India.

Industry Insights



Blockchain has completely reinvented the way data is stored and drives acceptance of data across all players involved in a business network. Its power lies in the technological innovations of hashes, digital signatures, consensus mechanisms and decentralized peer to peer network that takes out the need for a trusted intermediary, which is the primary cause for most inefficiencies and financial crises of our times.

Shebin John Samuel | [Managing Consultant, IBM](#)



The Internet brought in an era of information exchange never before seen in the history of humanity. This simple ability to exchange and share information has revolutionized every sector that internet has touched the change being bounded only by our imagination. Just like the internet, Blockchain enables the exchange and sharing of value without censorship and as the technology matures and evolves it is bound to change every sector it touches, it is up to us to think how.

Edul Patel | [Co-founder, Mudrex.com](#)



Blockchain is here to stay for long, though at this point, enterprises are educating themselves and exploring Blockchain for pilot project. Blockchain is being explored for various use cases across Industry from financial services, supply chain, government, International trade, high value art items etc.

Jatin Meswani | [COO, Global Technology Service, ISA](#)



Blockchain has paved the way for the development of scalable and democratic digital economy. Blockchain solutions are set to revolutionize financial as well as non- financial businesses. Banks and financial institutions no longer view Blockchain as a threat to traditional business models and are adopting the technology at a fast pace. Non-financial application opportunities like putting proof of existence to legal documents, notaries etc. and smart properties will soon be a reality.

Sunil Sharma | [Co-founder, SquadX](#)

Skills Required To Master Blockchain

| Skills | Entry-Level Developers | Architect | Manager |
|--|------------------------|--------------|--------------|
| Programming Languages | Must Have | Must Have | Good to Have |
| Blockchain Platforms | Good to Have | Must Have | Must Have |
| Consensus Methodologies | Good to Have | Must Have | Good to Have |
| Distributed Ledger Technologies | Good to Have | Must Have | Must Have |
| Cloud Infrastructure and DevOps | Good to Have | Must Have | Must Have |
| Cryptography and Data Security | Good to Have | Must Have | Must Have |
| Database and Source Code Management Tools | Good to Have | Must Have | Good to Have |
| Program/Product Management | N.A. | Good to Have | Must Have |
| Business Analysis | N.A. | Good to Have | Must Have |
| Delivery Methodologies | N.A. | Good to Have | Must Have |
| Project Management | N.A. | Good to Have | Must Have |
| Stakeholder Management | N.A. | Good to Have | Must Have |

upGrad As A Thought Leader In Emerging Technologies

7500+

**Data Scientists
Trained**

3000+

**Machine Learning
Engineers Trained**

1800+

**Big Data Analysts
Trained**

400+

**Blockchain Developers
Trained**

**IMT Ghaziabad has been ranked 12th Overall in Business Today's
B-School ranking, 2018.**

Our Blockchain Learners work at:

TCS, Salesforce, IBM, dDriven

Tech Mahindra, Honeywell, BLACKBUCK, GENESYS

Who Is This Program For?

Whether you want to transition into a Blockchain-focused product/ implementation role or acquire the right skill-set to grow further in your current organisation while focusing on Blockchain, this program is just right for you.

The question is whether you wish to be the first-generation leaders of the Blockchain Revolution or not.

Tech Firms - Pre-sales Consultants, Solution Architects, Technical Architects, Product Managers

Get deep exposure to the evolving Blockchain landscape with focus on end to end sales, product development and implementation cycle

IT Services - Project Managers, Team Leads, Software Developers

Understand how large scale Blockchain implementation projects are being delivered across the industry and build your Blockchain domain expertise

Others (BFSI, Retail, etc.) - IT Ops Manager, Operations Managers, Project Managers

Transition into a Blockchain Technology Manager's role by using structured frameworks to solve product problems while working in cross-functional teams



Program Highlights



Opportunity to publish a white paper



100+ hours of content from world-class Blockchain experts



Real-world case studies and assignments



Live workshops and Q&A sessions



Personalised resume building assistance



One-on-one mentorship with Blockchain experts



Rigorous and customised feedback on assignments



4-tier doubt resolution



Exclusive access to offline networking and basecamps

Industry Experts

NITIN GAUR

Director
IBM Blockchain Labs



SUDIN BARAOKAR

Chief Mentor - Bankchain
Blockchain Alliance



PRASANNA LOHAR

Head Technology
DCB Bank



SEAN HAN

Author
Blockchain Demo



ROHAN KAPADIA

Software Developer
Swiggy and ex-Amazon



VARUN SEHGAL

Director | Program Management
Zomato



CHENG-HAN LEE

Program Manager
ex-Microsoft



SUNIL SHARMA

Co-founder
SquadX



KARTIK MANDAVILLE

Founder & CEO
SpringRole



SANACHIT MEHRA

CEO
Cateina Technologies



Program Curriculum

Become the first generation of Blockchain experts and develop a deep understanding of the applications of this new age technology by learning industrial applications, standards, business use cases and framework design.

- Understand evaluate and Implement different Blockchain networks basis client requirement
- Layout the entire enterprise design for Blockchain networks, develop Business cases, ROI strategy and P&L.
- Develop BRD's and Blockchain testing protocols while gaining a deep understanding of Blockchain Product Management

• Demystifying Blockchain and its Enterprise Applications

1 week

Gain a high-level understanding of the new age technology and understand why Blockchain is the need of the hour in existing infrastructure frameworks.

Key Topics Covered:

- What is Blockchain?
- Blockchain vs Traditional architecture
- Legacy DB Systems, Role of Intermediaries
- Concept of Blocks, Data and Hashes

• Introduction to Blockchain Technology Management

1 week

With the rapid shift in adoption of Blockchain networks, understand why Blockchain Domain experts are so much in demand.

Key Topics Covered:

- Why every Blockchain Architecture needs a Domain expert?
- Significance of Blockchain Pre-sales
- Significance of Blockchain Delivery
- Significance of Blockchain Testing & Deployment

• Introduction to Blockchain Networks and Architecture

1 week

This course will help you to visualize the Blockchain network basis the business requirement and applicability while addressing the age old transaction problem in a Blockchain network.

Key Topics Covered:

- Introduction to Cryptography and networking
- Consensus mechanisms and Immutability in Blockchain
- Defining Business Logics on Blockchain
- Addressing Transaction Problems in Blockchain

• Applications of Blockchain Network and Architecture

1 week

Apply Business logics in different type of blockchain networks basis industry understanding and demand.

Key Topics Covered:

- Applying Business Logics on Blockchain and use cases
- Public, Private and Consortium Blockchain Networks

• Feasibility Assessment for Blockchain Networks

2 weeks

Gain extensive insights on key requirements for a pre-sales associate for Blockchain. Learn resource control and optimization protocols while gaining practical comparative exposure to different platforms used for network development in the Blockchain ecosystem.

Key Topics Covered:

- Public, Private, and Consortium Blockchain networks
- Where NOT to use Blockchain
- Distinctions and Considerations of Resource and Control
- Scenario Analysis for Corresponding Business Problem
- Comparative Study and Use case : Hyperledger Fabric & Sawtooth
- Comparative Study and Use case : Ethereum
- Comparative Study and Use case : R3 Corda

• Pre-Sales and Decision Making (Case Studies)

2 weeks

Understand the architecture applications of the technology in 8 key domains via case studies and real world problem statements.

Key Topics Covered:

- Blockchain domain specific Business Case - Supply chain
- Blockchain domain specific Business Case - Financial markets
- Blockchain domain specific Business Case - Healthcare & Transportation
- Blockchain domain specific Business Case- BFSI
- Blockchain domain specific Business Case- Healthcare record keeping & Insurance
- Blockchain domain specific Business Case Cybersecurity
- Blockchain domain specific Business Case- Digital Marketing
- Blockchain domain specific Business Case- Land ownership

• **Pre-Sales Project 1 - Identification and Application of Blockchain Network**

1 week

This project shall have two business scenarios where the learners will be required to participate and ascertain the fitment of Blockchain (if applicable) and build a Blockchain profile and portfolio for the use case.

• **Pre Sales and Business Plan creation**

2 weeks

Learn the process of developing and optimizing enterprise specific Blockchain business plan and P&L sheets. Evaluate efficiency, business logic and risk factors to successfully implement DLT and its business applications.

Key Topics Covered:

- Designing a standard framework for choosing Blockchain
- Identifying high level business problems in Major sectors
- Calculating cost of Small, Medium and large scale implementation
- Designing the business centric ROI strategy
- Risks involved in DLT based applications

• **Pre-Sales Project 2 - Business Plan Creation for a Blockchain Product**

1 week

Evaluate the business model and device a business plan covering the enterprise requirement, adaptability, Functionality, Financial risk and ROI.

• **Blockchain Delivery and BRD Creation**

1 week

Post successful acquisition and evaluation of client requirements develop and design the Business Requirement Document, identify key stakeholders to ensure smooth implementation in the post sales phase of the project.

Key Topics Covered:

- Learn how to design a BRD for your technical architect
- Stakeholder identification
- Access control rules and Smart contracts
- Designing workflows based on smart contracts
- Designing consent driven workflow based on smart contracts

• **Blockchain Delivery Project : Business Requirement Document Creation**

1 week

With your newly gained knowledge, create a BRD for the internal team of developers and technical architects, specifying the client's product requirements.

• **Blockchain Testing and Quality Assurance**

2 weeks

Develop thorough understanding and stress cases before deployment in the consumer ecosystem.

Key Topics Covered:

- Understanding the testing needs of DLT solutions
- Designing test cases based on the technicalities in Blockchain
- Designing test cases for testing smart contract vulnerabilities
- Designing test cases for access to APIs
- Designing test cases based on application workflow in Distributed nodes
- Designing test strategy for Performance test, load test, stress test in Distributed peer to peer network
- Designing security testing plan

• **Blockchain Testing and QA Project**

1 week

Implement your understanding and stress cases before deployment in the consumer ecosystem.

• **Blockchain - Future Outlook and Honing Skills**

1 week

- Get to know how industries will adopt this exciting technology in the near future
- Know what kind of work is going on around the globe in expanding this technology

• **Capstone Project**

2 weeks

The last 2 weeks of the program will help you learn, evaluate and implement all the learnings in a practical real world problem with end to end project execution. This hands on project will ensure you are prepared for any challenges you might face during product pre-sales, development and deployment.

Program Details

PROGRAM STARTS

Please visit the [program website](#) for the program launch date

DURATION

5 Months

PROGRAM FEES

₹ 1,00,000/- (+GST)

ELIGIBILITY

A minimum of 3 years of work experience in the industry. A background in IT, Finance and Healthcare Industry is preferred. The admissions committee, through close evaluation of your background and profile, will confirm your eligibility for the program.

ADMISSION PROCEDURE

The entire admissions process will be divided into 3 steps:

- 1. Application Screening** : Since the enrollments happen at a rolling basis, the initial screening will ensure the right profile fit for the program basis the details provided. We would urge you to complete your application to ensure a smooth enrollment process.
 - 2. Counsellor Interaction** : Our qualified career counsellor will get in touch with you to have a detailed discussion about your profile, experience and career landscape in and outside the program
 - 3. Final Rollout** : The admissions team basis close evaluation will roll out admission letters to the eligible candidates. The details for which will follow in the admission letter.
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FOR FURTHER DETAILS, CONTACT US AT:

software-dev@upgrad.com

Click here to complete your application

[APPLY NOW](#)