Advanced Certificate Program

Blockchain Technologies and Solutions
What’s inside?

Introduction 3
Faculty 5
Outcomes 7
Curriculum 8
Joining Process 9
FAQ 10
Contact 15
Embrace the Change

“The demand for Blockchain Engineers has grown 700% from January 2017 to January 2018.”

~ Toptal

IIIT-Hyderabad Blockchain Center of Excellence in association with TalentSprint is launching an Advanced Certificate Program in Blockchain Technologies and Solutions. The Program will be delivered at Hyderabad. This Program is ideal for Tech Professionals who wish to differentiate themselves with this cutting-edge technology.

Blockchain is disrupting the Banking, Finance, Health, Legal, and several other industries. Almost every leading organisation or fast-growth startup is adopting this technology. However, deep expertise and world-class talent in Blockchain is extremely hard to find. The need of the hour is creating this sought-after talent pool which will contribute to growth in these sectors.
“The Blockchain Is the Internet of Money”
~ The Wall Street Journal, September 22, 2017

“Blockchain: India is headed for a fintech revolution this year”
~ The Economic Times

“Blockchain Skill Job Postings Increased Three-fold in 2017”
~ LinkedIn

“Global market for blockchain-related products & services is expected to reach $7.7B in 2022”
~ LinkedIn
Learn from Leaders

Kannan Srinathan
Kannan Srinathan is an Assistant Professor at International Institute of Information Technology, Hyderabad. He is an expert in the field of Cryptography and Security. He has a Ph.D from IIT, Madras.

Sujit P. Gujar
Sujit is an Assistant Professor at International Institute of Information Technology, Hyderabad. He is an expert in the field of Game Theory, Mechanism Design, Machine Learning, Cryptography, and AI applications. He has a Ph.D from IISC, Bangalore.

Ritesh Modi
Ritesh is the author of the book “Solidity Programming Essentials” for Ethereum. He is an expert in the field of Blockchain, Cloud Computing, and Bot Frameworks. He was earlier with Microsoft and Accenture.

Sunil Aggarwal
Sunil is the author of the book “Bitcoin Magnet”. He is a leading Blockchain expert and has been advising Startups and their ICOs over the last six years. He has two decades of experience in teaching, research and startup consulting.
Industry Interactions
What should you expect?

Ideal for Tech Professionals

- Developers and Analysts
- Product and Project Managers
- Tech Entrepreneurs
- Leaders and Enthusiasts

Outcomes from this Program

- Expertise in Blockchain and DLT
- Hands-on PoC experience across major Blockchain Platforms
- Exposure to Blockchain use cases across Domains
- Advanced Certification by IIIT-Hyderabad Outreach Division
- Become an Alumni of IIIT-Hyderabad

Scholarships

Women
To improve the gender ratio in the industry, we encourage more women to enroll into the program through this Scholarship.

Youth
Anyone with up to 3 years of experience is entitled to the Youth Scholarship. We encourage more youth to enroll for the program through this Scholarship.

Alumni
IIIT-Hyderabad & TalentSprint Alumni are entitled to this Scholarship. We encourage their continuing professional development in disruptive technologies.
### Module 1
**Understanding Blockchain Foundations**
- Blockchain & Distributed Ledger Technology (DLT)
- Elements of Distributed Computing
- Elements of Cryptography
- Elements of Game Theory
- Cryptocurrencies, Tokens, and ICOs

### Module 2
**Building Smart Contracts Using Ethereum, Solidity**
- Introduction to Ethereum
- Programming using Solidity
- ERC20 Standards
- Best Practices and Auditing
- Smart Contract Mini Project

### Module 3
**Building DApps Using Hyperledger, Golang**
- Introduction to Hyperledger
- Key Frameworks and Tools
- Programming using Golang
- DApp Mini Project
- Building advanced applications with Hyperledger/Golang

### Module 4
**Blockchains in Action**
- Major Blockchains
- Tradeoffs and Choices
- Industry Case Study

### Module 5
**Capstone Project**
- Hackathon
- Project Showcase
- Industry Interface

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**Weekend Contact Program**
10 Weeks - Sat & Sun 10am to 5pm
- Master Lectures
- Mentored Labs
- Group Projects
- Hackathon
- Online Forums

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**IMMERSIVE PROGRAM • 10 WEEKS • WORKING PROFESSIONALS • HYDERABAD**
How to join

1. Application
2. Selection
3. Block Your Seat
4. Enrollment
Questions

Most Frequently Asked

What is unique about this Program?
This Program is offered by IIIT-Hyderabad Blockchain Center of Excellence (CoE) in association with TalentSprint.

It is a fast-track and intense 10-Week Program suitable for Professionals with minimum 1 Year Coding Experience.

Program is delivered in Hybrid format combining classroom sessions, mentored labs and supported by online learning platform.

Unique 5-step learning process of Masterclass Lectures, Hands-on Labs, Mentorship, Hackathons and Workshops enables fast-track learning.

Led by collaborative Faculty from Academia, Industry, and Leading Institutions. Advanced Certification by IIIT-H Outreach Division

Who should join the Program?
If you are keen to be part of the Blockchain revolution seeking to move into this disruptive space, want to position yourself for the high-end projects in your organisation or keen to build a disruptive startup, you will find this Program useful.

This Program is best suited for Developers, Analysts, Product Managers, Project Managers, Tech Entrepreneurs, Leaders and Enthusiasts with more than 1 year software development experience.

Who are the Faculty Members?
The Program is led by collaborative Faculty from Academia, Industry, and Leading Institutions.

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FAQ

Most Frequently Asked

Why should I learn Blockchain? Is it too early to build this expertise?

Blockchain job market is heated up. You should catch the wave before it's too late to ride it. Here is what media has to say about this space.

- Blockchain is the second most-in-demand job skill in tech (Clifford Associates)
- Blockchain jobs continue to explode, offer salary premiums (Computerworld)
- IBM, Microsoft, Cisco, Oracle among companies hiring Blockchain talent (Benzinga)
- Blockchain second most demand skill in labour market
- India has become breeding ground for Blockchain Engineers
- From Finance to Retail, Corporates Hunt for Blockchain Experts (TimesofIndia)
- Blockchain related jobs on LinkedIn quadrupled in 2017
- According to Indeed.com, Blockchain Jobs increased 631% since 2015
- Indeed.com received 8 times more interest in Blockchain jobs in 2017, compared to 2016
- Indeed.com reported 621% increase in Blockchain jobs

Are 10 Weeks sufficient to learn a deep topic like Blockchain?

This Program is delivered through Master Lectures, Mentored Labs, Group Projects, Hackathon, and Online Forums. This format speeds up and enhances the learning.

When and where is the next Cohort?

Hyderabad Cohort: October 2018

Can I avail any Scholarship?

Special Scholarships are available for:

- **Women**: To improve the gender ratio in the industry, we encourage more women to enroll into the program through this Scholarship.
- **Youth**: Anyone with up to 3 years of experience is entitled to the Youth Scholarship. We encourage more youth to enroll for the program through this Scholarship.
- **Alumni**: IIIT-Hyderabad and TalentSprint Alumni are eligible for this Scholarship.

Program Outcomes

What are the Program Outcomes?

- Expertise in Blockchain and Distributed Ledger Technology
- Hands-on PoC experience across major Blockchain Platforms
- Exposure to Blockchain Use Cases across Domains
- Advanced Certification from IIIT-Hyderabad Outreach Division

Will I get Placement Support?

No, this is an intensive Certification Program and no placement support will be offered.

What opportunities can we expect after the Program?

The global Blockchain ecosystem is extremely keen to find well-qualified talent in these hot technology areas. Since there is a limited supply of such talent, you will get multiple opportunities to upgrade your career.
FAQ

Program Outcomes

What should I NOT expect from this Program?
This Program is not intended for freshers starting an IT career. It is to serve as an entry point for working professionals into the field of Blockchain Technologies.

Program Coverage

What will I learn?
You will be able to build and deploy Blockchain technology based applications at your workplace.

How will I learn?
The Program Format includes Master Lectures, Mentored Labs, Group Projects, Hackathon, and Online Forums.

What is the Program Schedule?
Weekend Contact Program
10 Weeks – Sat & Sun | 10am to 5pm

What will be the Cohort Size?
While the strength for Lab Exercise will be limited to 50 Participants supported by a Mentor, Masterclass will have a strength of 100 Participants.

Joining Process

What are the academic prerequisites for the Program?
The Program is intended for software professionals with at least a year of programming experience.

What is the selection process for this Program?
Only working professionals with minimum 1 year of experience can apply for the Program. Once you have applied, our screening team will review your application and get back to you.

If I am not from Hyderabad, am I eligible for this Program?
You have to be physically present at the location for the Masterclass and Labs respectively. So only if you can travel every weekend to Hyderabad, will you be eligible for the Program.

When and where is the next Cohort?
Hyderabad Cohort: October 2018

How do I join?
You can join in 4 easy steps:

1. Application
2. Selection
3. Block Your Seat
4. Enrollment

Program Outcomes

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**Program Fee**

**What is the Program Fee?**
The Program fee is ₹2,00,000/-. However, for Early Bird & other Offers.

See details on this page
www.talentsprint.com/blockchain-fee-structure.dpl

**What are the payment options?**

**Option 1:** Own Sources (Net Banking / Credit Card / Debit Card / UPI)

**Option 2:** 0% EMI (3/6/9 EMIs on your Credit Card/Debit Card – Conditions Apply)

See details on this page
www.talentsprint.com/blockchain-fee-structure.dpl#view-emi-options

**Is the fee refundable?**
Program Fee is non-refundable and non-transferable.

**Are there any finance options for the Program Fee?**
Yes. 0% EMI Option is available. 3/6/9 EMIs on your Credit Card/Debit Card. Conditions apply.

See details on this page.
www.talentsprint.com/blockchain-fee-structure.dpl#view-emi-options

**What scholarships are available?**
There are Scholarships for Women, Youth, and Alumni.

See details on this page
www.talentsprint.com/blockchain.dpl#scholarship

**Program Schedule**

**Where will the Program lecture and lab sessions be conducted?**
The Program will be conducted at International Institute of Information Technology Gachibowli, Hyderabad 500 032 and TalentSprint PSR Prime Tower, Gachibowli, Hyderabad 500032

**Are the classes online?**
No, this is an instructor-led Program. The Program also utilizes an LMS where additional material, videos, assignments, etc., will be hosted, which is online and can be accessed 24x7.

**How will lab sessions be supported?**
The lab sessions will be mentored by experienced Blockchain Practitioners and Researchers.

**Can I do the lab exercises from home?**
Yes, one can attend the Lab exercises from home depending on your degree of comfort with the planned exercises. IIIT-H Blockchain CoE and TalentSprint will be providing mentors for assistance so you can opt to come over or work on your own.

**What happens if I miss a Class?**
It is recommended that one should not miss a class as 75% attendance is mandatory. In case it is unavoidable, one will have access to an unedited version of the video recording of the class in the LMS, by the end of the day. The edited version will be posted to the LMS by end of day on every Tuesday.
FAQ

What happens if I miss a Lab?
Being an intensive Program, it is not recommended to miss any lab session as 75% attendance is mandatory. In case a lab session is missed due to unavoidable circumstances, exercises are available on a cloud platform which can be accessed from home but facilitated lab sessions will not be available on the cloud platform so it is recommended to not miss any of these sessions.

Will there be a final examination?
The Program is planned to have continuous assessment. The final grade will be determined on the basis of the best 25 scores out of 40 assignments.

Do I need own laptops?
Yes, the Participants are required to carry their personal laptops. Exercises will be conducted on a cloud based platform.

Can I access the labs after the Program?
You will have access to the LMS for a minimum period of 12 months from Program commencement.

Are there any advanced programs after this Program?
IIIT-H Blockchain CoE and TalentSprint plan to announce a series of advanced programs soon.

Program Schedule

About IIIT-Hyderabad Blockchain Center of Excellence
The International Institute of Information Technology, Hyderabad (IIIT-H) is an autonomous research university founded in 1998. The institute has large research centers in language technologies, visual technologies, data engineering, blockchain, security and algorithms. IIIT Hyderabad is one of the 17 global members of Ripple’s University Blockchain Research Initiative (UBRI) along with Princeton, MIT, UPenn, and Berkeley. Its Blockchain Center of Excellence is focused on academic research, technical development, innovation and executive education.

About TalentSprint
TalentSprint is a new-age digital platform to transform the lives of young and experienced professionals. Its hybrid immersive bootcamps empower professionals with high end disruptive technologies. The AI-powered digital platform enables professionals to get ahead and stay ahead in a hypercompetitive world. Funded by Nexus Venture Partners and the National Skill Development Corporation, TalentSprint aims to empower ONE MILLION professionals by 2020. For more information please visit [www.talentsprint.com](http://www.talentsprint.com)

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