

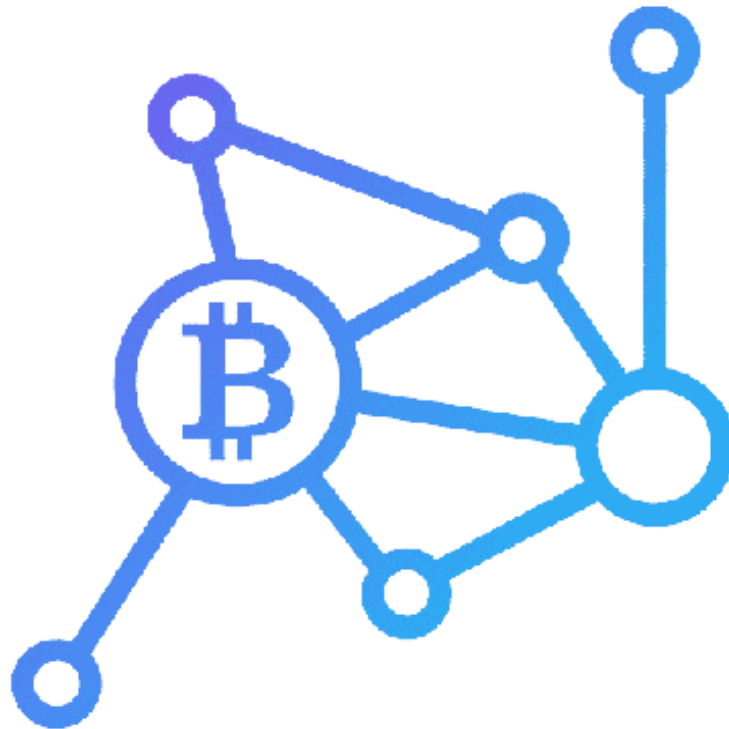


Techniche

The annual Techno-Management Festival
IIT Guwahati

Internship & Training Program

Blockchain Technology



Certification 2-8 Weeks / 30-40 Hours

Industry ready exhaustive program

Internship & Training Program

Make Projects & Get Trained

Official Partner



EduVitae
Services
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Startup India, DIPP, Govt. of India



MSME
मूक्य, लघु एवं मध्यम उद्यम
MICRO, SMALL & MEDIUM ENTERPRISES



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About EduVitae Services

EduVitae Services, run by IITians & industry experts, is a renowned provider of education, training, research and development programs, with a large presence. We offer a wide range of specific industry ready courses and training opportunities in the areas of computer science and IT, animation and multimedia, as well as engineering, management and advanced technology. Our programs include workshops, training, internships, hackathons, corporate training, certificate courses, placement training, research, and development programs, all designed to meet the needs of students, professionals, academic institutions, and industry. Our reputation as one of the best technology training providers, is a testament to our commitment to helping our students and clients acquire the skills and knowledge they need to succeed in their careers and goals.

Our Clientele/Collaborations

Top private & government academic institutions, college's fests and corporates where directly/indirectly our presence have been felt:

Indian Institute of Technology, Kanpur
Indian Institute of Technology (Banaras Hindu University), Varanasi
Indian Institute of Technology (ISM), Dhanbad
Indian Institute of Technology, Jodhpur
Indian Institute of Technology, Bhubaneswar
Blithchron, Indian Institute of Technology, Gandhinagar
Indian Institute of Technology, Guwahati
Indian Institute of Technology, Patna
Indian Institute of Management (IIM), Lucknow
Indian Institute of Management (IIM), Indore
National Institute of Technology, Surat
National Institute of Technology, Bhopal
National Institute of Technology, Warangal
National Institute of Technology, Trichy
Chandigarh University
DIC, Department of Applied Arts (Visual Arts), Banaras Hindu University, Varanasi
Madan Mohan Malaviya University of Technology, MMMUT Gorakhpur
Maharaja Agrasen Institute of Technology, Delhi
Thapar Institute of Engineering & Technology, Punjab
Assam Engineering College, Assam
Jaypee University of Engineering & Technology
Shillong College, Meghalaya
SRCC, Delhi University
Kendriya Vidyalaya, India
DAV School, India
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Industry/Corporate/Startups/Government

MapsCrew

Rabbixel

CreativeHatti

Accenture

Capgemini

F1 Digitals

TIH IIT Roorkee, DST, Govt. of India

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and many more tech & non-tech colleges/universities/institutes/schools & organizations/startups/companies across India and globe.

Achievements & Milestones

- ✓ Our alumni / students are working in top notch company of India & MNCs **VMware, Infosys, Cognizant, CGI, Fidelity, Razorpay, EXL, CARS24, Tata Steel, NVIDIA, MyKaarma, Oyo Rooms, Samsung, Walmart Labs, L&T, JIO, Citibank, TCS, Accolite, BNY Mellon**, and many more.
- ✓ Conducted a number of workshop/training/internship programs in many colleges/universities/schools like **IITs, IIMs, NITs, IISc** & other prestigious institutions of India & with the corporates too.
- ✓ Trained many college/university/school students, some of them have created a milestone for **EduVitae Services** by meeting with **Shri Narendra Damodardas Modi** (Prime Minister of India) related to some **robotics projects**.
- ✓ Collaborating with Industries / Corporates / Startups to provide them hiring services (helping them to hire fresh trained talent with us).
- ✓ Signed MOUs / worked with top notch colleges / universities / schools / organizations like **Techkriti IIT Kanpur, Technex IIT (BHU) Varanasi, Wissensaire IIT Bhubaneswar, Techniche IIT Guwahati, Concetto IIT (ISM) Dhanbad, Pravega IISc Bangalore, IGNUM IIT Jodhpur, Ranbhoomi IIM Indore, IIM Lucknow, MMMUT GKP, NIT Surat, NIT Bhopal, NIT Warangal, NIT Trichy, Chandigarh University, Thapar University, SRCC DU, KMC DU, TIH IIT Roorkee DST Govt. of India** and many other academic institutions for professional / industry ready & learning skills training / workshop / internship programs.

Prerequisites

Participants from 1st year/ 2nd year / 3rd year / 4th year of CSE/IT/MCA/BCA/MSc/BSc-IT/ECE/EE/Other branch/stream will get more benefit after joining this program and other interested students / learners can also participate in that as per their requirement.

What is required before joining this training program?

Here's the checklist

1. A laptop with Microsoft Windows (7 or later) configuration along with smartphone as per need/requirement.
2. Laptop Charger/Adapter for charging purpose.
3. USB Mouse for designing purpose (if required).
4. Internet Connectivity (Typically to be able to do video call / conferencing, if the program is in online mode)
5. Notepad & Pen/Pencil for important notes and most important your interest & dedication.

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Training Deliverables & Takeaways

Every participant will get

- ✓ Industry Ready Curriculum
- ✓ Interactive & Doubt Session
- ✓ Certification Program
- ✓ Mini & Major Projects
- ✓ Career Guidance
- ✓ Projects/Practical Based Learning

Course & Content

All of the sessions will be theoretical & practical oriented, so it will be really great if participant(s) can look on the syllabus which we are going to cover during training days.

Blockchain Technology

Module-1:

Introduction about Blockchain Technology

- The Overview of Block chain
- Public Ledgers
- What is Bitcoin
- What is Smart Contracts
- Block in a Block chain, Transactions
- Distributed Consensus
- Types of consensus algorithms - Proof-of-Work (PoW), Proof-of-Stake (PoS), Delegated Proof-of-Stake (DPoS), Leased Proof-of-Stake (LPoS), Byzantine Fault Tolerance (BFT)
- Types of Block chain -Public Vs Private Block chain
- Introduction & understanding Crypto currency
- A basic crypto currency

Assignment-1

Quiz-1

Module-2

Understanding Block chain with Cryptography

- Overview of Security aspects of Block chain
- Basic Crypto Primitives: Cryptographic Hash Function, Properties of a hash function, Hash pointer
- What is Merkle tree?

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- Symmetric key cryptography
- Asymmetric key cryptography
- Public Key cryptography, Digital Signature

Assignment-2

Quiz-2

Module-3

Understanding DLT and Bitcoin

- What is DLT & How does it work
- DLT and Blockchain related to cryptocurrency
- Advantages of DLT & Risks and challenges to DLT
- Bitcoin and Block chain & Bitcoin P2P Network
- Transaction in Bitcoin Network
- Block Mining, Mining Difficulty
- Consensus in a Bitcoin network: Proof of Work (PoW)
- Basic introduction, Hashcash PoW
- Attacks on PoW and the monopoly problem
- What is Miner & the life of a Bitcoin Miner, Mining Pool

Assignment-3

Quiz-3

Module-4

Understanding different platforms in Blockchain (Lab)

- Overview of IPFS (Interplanetary file System)
- Overview of Ethereum,
- Overview of Hyper ledger fabric
- Overview of Corda

Assignment-4

Quiz-4

Module-5

Understanding Block chain for Enterprises (Project)

- Enterprise application of Blockchain
- Cross border payments
- Know Your Customer (KYC)
- Food Security
- Mortgage over Block chain

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- Block chain enabled Trade, We Trade – Trade Finance Network
- Supply Chain Financing, and Identity on Blockchain

Assignment-5

Quiz-5

Disclaimer

Please make sure that this training/internship will be organized by EduVitae Services, it is to note that if any IIT/NIT/IIM/IISC/Private/Government organization is EVS partner then they are responsible for providing certification to attending students/professionals, marketing, publicity and rest operations, scheduling, payment processing, training, content development etc. will be taken care by EduVitae Services.

All of the matters/disputes related to internship/training/workshop needs to be addressed to EduVitae Services team only. See our terms and conditions on www.eduvitae.co.in and fees once paid is non-refundable and non-transferrable. Company reserves full right to withdraw any offer/discount anytime without any prior notification, also it's important to understand that center & batches date of internship/training can be changed as per requirements & situations.

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