

DIPLOMA PROGRAM IN
BLOCKCHAIN
TECHNOLOGY

Course Duration:

1 Year

Course Fees:

Rs. 25,000/-

Mode:

Online



PARUL UNIVERSITY

Parul University is a multidisciplinary destination of learning and innovation, propelling quality in higher education with a record of being India's youngest private university to receive NAAC A++ accreditation in the first cycle. Situated in Vadodara, Gujarat, Parul University, is an embodiment of the nation's essence of cultural heritage blended with modern innovations and academic practices for student enrichment, while fostering national and global development.

The University is an amalgamation of faculties and institutes that offer a plethora of diploma, undergraduate, postgraduate, and doctoral programs in numerous disciplines. Through its uniquely structured, industry-linked, and field-aligned programs, the University holds a noteworthy record of fulfilling the infinite dreams of students, by launching their lucrative careers towards high trajectories through start-up incubation and impeccable placement records. The 150-acre eco-friendly campus is home to over 50,000+ offline students and 6000+ online students from every State of India and over 3,500+ international students from 75+ countries, making Parul University a truly culturally global destination. In recognition of Parul University's excellence in education it has been awarded for being the Best Private University in Western India by Praxis Media and Best University in Placements by ASSOCHAM and the Most Outstanding University in West Zone for having Highest Nationalities in Campus at the World Education Summit Awards.

CENTER FOR DISTANCE & ONLINE EDUCATION

The Centre for Distance and Online Education (CDOE) at Parul University is a dedicated academic division committed to offering quality education through flexible and accessible online learning formats. Rooted in the University's ethos of academic excellence and innovation, the CDOE is designed to support learners who aspire to upgrade their skills without compromising on their professional or personal responsibilities. The Centre offers a carefully curated set of Online Diploma and PG Diploma programs that address emerging industry needs and equip learners with practical, job-oriented knowledge.

Offered under the umbrella of Parul University—accredited with NAAC A++ and recognized by UGC—these programs reflect the institution's commitment to making impactful education accessible to all. The CDOE combines subject expertise with digital pedagogy to deliver a rich, interactive, and learner-focused experience.

ABOUT THE PROGRAM

Blockchain is a shared, immutable ledger that facilitates the process of recording transactions and tracking assets in a business network. An asset can be tangible (a house, car, cash, land) or intangible (intellectual property, patents, copyrights, branding). Virtually anything of value can be tracked and traded on a blockchain network, reducing risk and cutting costs for all involved. Business runs on information. The faster it's received and the more accurate it is, the better. Blockchain is ideal for delivering that information because it provides immediate, shared and completely transparent information stored on an immutable ledger that can be accessed only by permissioned network members. A blockchain network can track orders, payments, accounts, production and much more. And because members share a single view of the truth, you can see all details of a transaction end to end, giving you greater confidence, as well as new efficiencies and opportunities.

Program Name: Diploma Program in Blockchain Technology

Program Type: Diploma

For Whom: Individuals with 10+2 education or relevant education

PROGRAM HIGHLIGHTS

- Case study based learning of various subjects.
- Learning of concepts about private blockchain networks, smart contracts, architecture, Bitcoin, Hyperledger, Ethereum, and Multichain blockchain platforms etc.
- Project Work based on various field applications.
- Industry Centric Curriculum
- High End Animated Videos & Course Content

CAREER OPPORTUNITIES

A candidate by undergoing this program shall have the following career opportunities: On successful completion of the course the candidates can either get employed or become a self-employed Entrepreneur in the following fields:

1. Business Analyst
2. Developers
3. Product Managers
4. Project Managers
5. Solution Architects

PROGRAM OBJECTIVES AND OUTCOMES

| Program Objectives | Program Outcomes |
|---|---|
| List various tools and platforms used for developing Blockchain | Understand the blockchain technology, its benefits and challenges |
| Describe the cryptocurrency like Bitcoin and its security practices | Explain Cryptocurrency and Smart contract |
| Apply the knowledge and skills to generate design ideas for creating functional and innovative designs using computer-aided design. | Demonstrate the ability to mine Bitcoins |
| Analyze the incentive structure in a blockchain based systems. | Examine functions, benefits and vulnerabilities of blockchain based systems. |
| Evaluate the setting where a blockchain based structure may be applied, its potential and its limitations | Critique new challenges that exist in monetizing businesses around blockchains and smart contracts. |
| Develop block chain based solutions and write smart contract using Ethereum Framework. | Build Blockchain using various tools. |

COURSE CURRICULUM:

| Semester – I | | |
|--------------|---------------------------------------|-----------------|
| Sr. No. | Subject Name | Credit Assigned |
| 1 | Computer Network | 4 |
| 2 | Information & Network Security | 4 |
| 3 | Cyber Security | 4 |
| 4 | Introduction to Blockchain Technology | 4 |
| 5 | Project: I | 4 |
| Total | | 20 |

| Semester – II | | |
|---------------|--|-----------------|
| Sr. No. | Subject Name | Credit Assigned |
| 1 | Advanced Blockchain Technology | 4 |
| 2 | Cryptography and Blockchain Security | 4 |
| 3 | Blockchain Architecture and Protocols | 4 |
| 4 | Emerging Trends and Applications of Blockchain | 4 |
| 5 | Project: II | 4 |
| Total | | 20 |



**FOR ANY QUERY
PLEASE CONTACT**

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