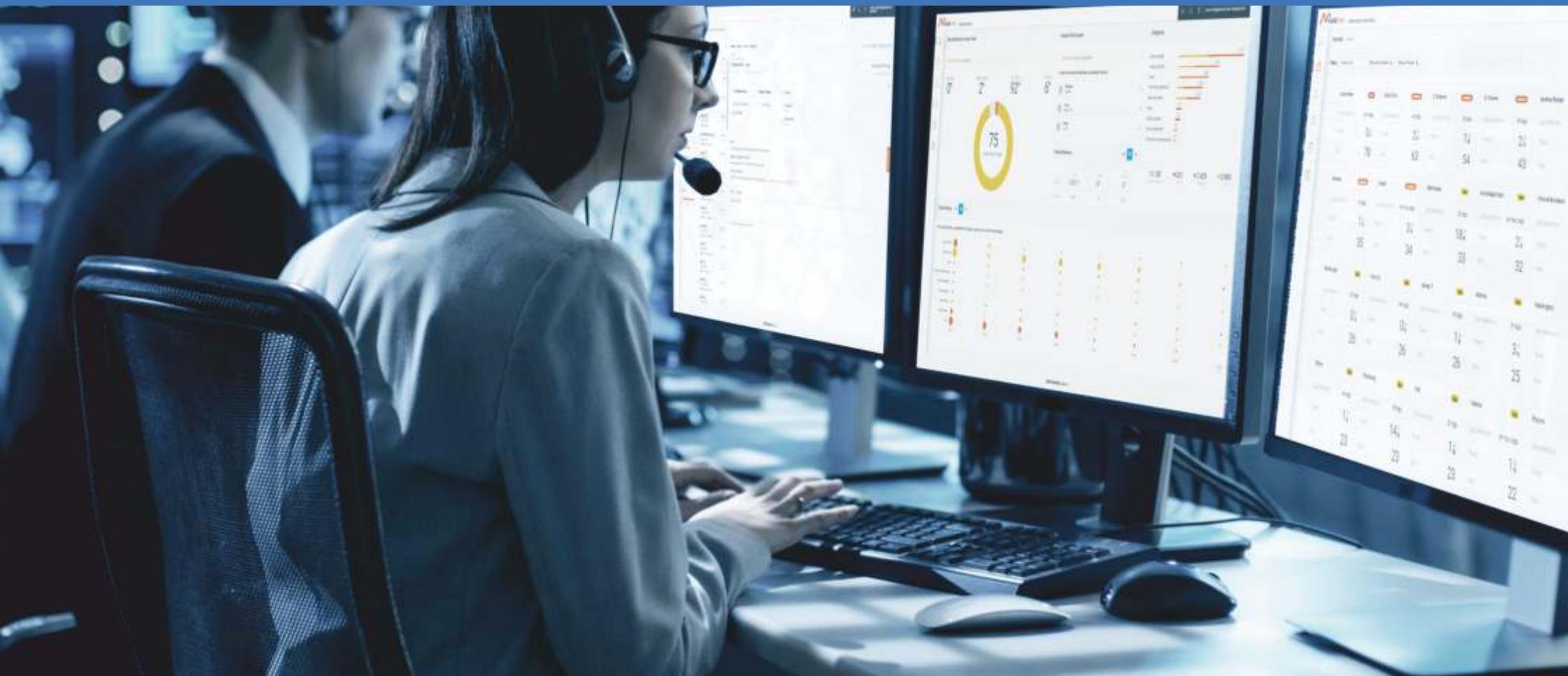




# POST GRADUATE DIPLOMA IN CYBER SECURITY

(Degree Awarded By Mumbai University)



**2024 - 2025**

Mode of Learning  
**Classroom**

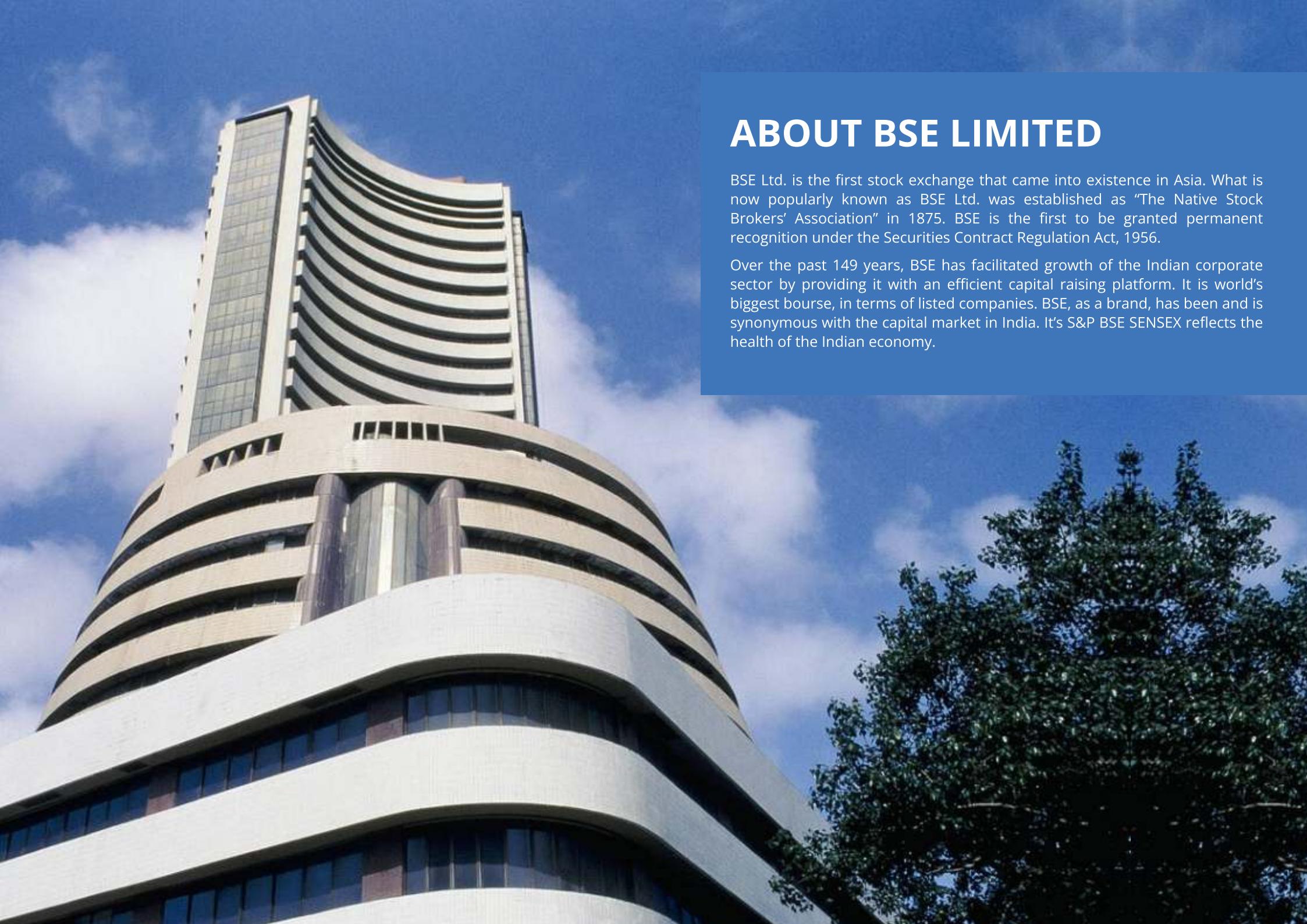
Duration  
**1 Year**





## **TABLE OF CONTENT**

○ <b>About BSE Limited</b>	4
○ <b>About BSE Institute Ltd.</b>	5
○ <b>Garware Institute of Career Education and Development (GICED)</b>	6
○ <b>Message from the Director</b>	7
○ <b>PG Diploma in Cyber Security</b>	8
○ <b>Curriculum Summary</b>	10
○ <b>Our Prominent Faculty Members</b>	11
○ <b>Infrastructure</b>	12
○ <b>Students Events</b>	14
○ <b>Placement Assistance</b>	17
○ <b>Our Initiative CSR Activities</b>	19
○ <b>The Global Connect and Edge</b>	20
○ <b>Admission Process</b>	22

A large, modern skyscraper with a distinctive curved, spiral design, known as the Mumbai Stock Exchange building. The building features multiple levels of windows and a light-colored facade. It is set against a blue sky with some white clouds. In the bottom right corner, there is a dark green tree.

## ABOUT BSE LIMITED

BSE Ltd. is the first stock exchange that came into existence in Asia. What is now popularly known as BSE Ltd. was established as "The Native Stock Brokers' Association" in 1875. BSE is the first to be granted permanent recognition under the Securities Contract Regulation Act, 1956.

Over the past 149 years, BSE has facilitated growth of the Indian corporate sector by providing it with an efficient capital raising platform. It is world's biggest bourse, in terms of listed companies. BSE, as a brand, has been and is synonymous with the capital market in India. Its S&P BSE SENSEX reflects the health of the Indian economy.



EXISTING SINCE 1989



300+ WORLD CLASS  
PRACTITIONERS



EXPANSIVE  
GLOBAL REACH



20,000+  
PARTICIPANTS  
YEARLY



150+ COURSES



ICONIC BUILDING &  
BRANCHES ALL OVER

## ABOUT BSE INSTITUTE LTD.

The BSE Institute Ltd, established as a 100% subsidiary of the World's Fastest Stock Exchange, leverages its core knowledge from the stock exchange and enjoys the distinct advantage of being at the center of the action - the Financial Capital of India and one of the world's most rapidly emerging markets. BIL inherits knowledge and insights into the capital markets industry from BSE, garnered over the past 149 years.

BSE Institute Limited offers a bouquet of courses related to financial markets for students interested in achieving and upgrading their skills in this field. The offerings range from Post Graduate Programs from Mumbai University, International PG programs, to more than 100 short-term certification courses in classroom and online modes.

The Institute focuses on developing skills for employability, providing education for talent development, and fostering innovation driven by entrepreneurs who create jobs. At the Institute, we offer market-designed courses with training by market practitioners, using cutting-edge curriculum to ensure that you are job-ready from the first day, first hour.

For more information, visit: [www.bsebt.com](http://www.bsebt.com).



### Our Vision

Our vision is to become the globally acclaimed learning provider for financial and leadership education, by pioneering the generation and dissemination of knowledge for the enhancement of skills and capabilities of professionals and aspiring professionals.



### Our Mission

As a center of learning, our mission is to forge an inclusive learning haven, uniting diverse perspectives to cultivate impactful leaders and entrepreneurs who drive positive change in organizations and communities through innovation.



# University of Mumbai - Garware Institute of Career Education and Development (GICED)

The University of Mumbai (known earlier as University of Bombay) is one of the oldest and premier Universities in India. It was established in 1857 consequent upon "Wood's Education Dispatch", and it is one amongst the first three Universities in India. As a sequel to the change in the name of the city from Bombay to Mumbai, the name of the University has been changed from "University of Bombay" to "University of Mumbai", vide notification issued by the Government of Maharashtra and published in the Government Gazette dated 4th September, 1996. The University was accorded 5 star status in 2001 & 'A' grade status in April 2012 by the National Assessment and Accreditation Council (NAAC). It has been granted University with Potential for Excellence (UPE) status by UGC and PURSE Scheme by DST.

Garware Institute of Career Education and Development (GICED) is a Private Institute located in Mumbai, Maharashtra and was established in the year 1984. GICED was founded by Late Balchandra Digamber alias Abasaheb Garware. The Institute is affiliated to University of Mumbai and accredited with 'Grade A' by NAAC. GICED offers Undergraduate, Postgraduate and Diploma courses in multiple fields of study.



## **MESSAGE**

# **FROM MD & CEO**



## **Mr. V. Narayanan Iyer**

Managing Director & CEO  
BSE Institute Limited

Dear Students,

Welcome to BSE Institute, Ltd. as the field of cyber security is continuously evolving, our vision encompasses the overall development of the professionals who will become the future torchbearers of the cyber security industry. We are committed to facilitating and enabling a truly exciting and stimulating lifelong learning environment, as we aim to pave the way for the next generation of experts in cyber security.

Our program is meticulously crafted to offer you a comprehensive understanding of the dynamic and ever-changing realm of cybersecurity. Given the pivotal role cybersecurity plays in today's interconnected world, it is essential to equip yourself with the knowledge and skills required to discover the complexities of this crucial industry.

At BSE Institute Ltd., we embrace a holistic approach to education. Our curriculum not only covers the fundamental aspects of cybersecurity but also integrates interdisciplinary elements such as network security, ethical hacking, security analysis, and compliance management. We are committed to delivering a well-rounded education that extends beyond theoretical concepts, preparing you for the practical challenges of the cybersecurity landscape.

Our esteemed faculty members, with their wealth of industry experience, are dedicated to providing you with insights that stem from real-world scenarios. Their expertise will enrich your learning journey, ensuring that you graduate as a proficient and confident cybersecurity professional.

As you embark on this transformative journey, remember that learning extends beyond the classroom. Embrace the opportunities for real-world experiences, and you will find that our program is not just about education; it's about preparing you for a successful and fulfilling career in cyber security.

## ABOUT

# POST GRADUATE DIPLOMA IN **CYBER SECURITY**

Degree Awarded By Mumbai University

 Mode of Learning  
**Classroom**

 Duration  
**1 Year**

The Post Graduate Diploma in Cyber Security (PGDCS) offered by BSE Institute Ltd. is a one-year program that provides a comprehensive exploration of various aspects within the industry of cybersecurity. Given the rapid growth of the cybersecurity sector, it plays a vital role in both direct and indirect contributions to the global economy. Beyond providing in-depth insights into cybersecurity, this program encompasses disciplines such as SCADA, information technology, ethical hacking, cloud fundamentals, and compliance management. It aims to shape students into knowledgeable professionals ready to work in the cyber security industry, employing a combination of theoretical and practical teaching methods by highly experienced faculties.



## PROGRAMS HIGHLIGHTS

### **Simulation Based Training\***

Simulation exercises are valuable for training participants in core data science operations by creating realistic scenarios. They allow for the practical application of theory, enhancing understanding and skill development.

### **Industry Internship\***

Industry internships are crucial for gaining hands-on experience and applying academic knowledge. They enhance resumes and provide a head start to meritorious students before entering their careers.

### **Career Guidance**

Career exploration can be confusing, but guidance from industry specialists and career counselors can provide valuable insights and help you navigate various career opportunities. Their experiences and knowledge can assist you in making informed decisions about your career path.

### **300+ world class practitioners**

Our trainers and coaches are experts in their fields of study, with intensive knowledge and industry experience that guide their teaching methodologies.

### **Iconic Campus**

Iconic building and a place to meet merchant, bankers regulators, and market gurus to expand your network.

### **Industry Visits\***

Industry visits provide students with valuable answers to their inquisitive questions regarding the data science sector. These visits are planned to generate curiosity and have exposure to the various industries for when they start working as professionals.

\* As applicable

## WHY

# POST GRADUATE DIPLOMA IN **CYBER SECURITY**

Degree Awarded By Mumbai University

Opting for a career in cyber security is a strategic choice for individuals looking to accelerate their professional journeys and gain early exposure to the rapidly evolving digital landscape. It serves as a crucial step toward comprehending the impact of global cyber threats, navigating the challenges of the cybersecurity realm, and positioning oneself for abundant opportunities, both domestically and internationally.

Our Post Graduate Diploma in Cyber Security (PGDCS) course not only imparts a profound understanding of cybersecurity operations but also focuses on cultivating students' managerial and technical competencies, ensuring they are well-equipped to tackle the complexities of the cybersecurity landscape. Embracing innovation and real-world relevance, our PGDCS course prepares students to become dedicated cybersecurity professionals capable of safeguarding digital assets in an ever-changing threat landscape.



# CURRICULUM SUMMARY

# POST GRADUATE DIPLOMA IN **CYBER SECURITY**

Degree Awarded By Mumbai University



## SEMESTER I

Welcome to the Post Graduate Diploma in Cyber Security Program! This semester marks the commencement of your exploration into the ever-evolving and intricate realm of Cyber Security. Each module is meticulously designed to equip you with a thorough grasp of fundamental concepts and hands-on skills crucial for excelling in the dynamic field of cyber security.

## SEMESTER II

Building on the foundation laid in Semester 1, this semester delves deeper into specialized areas within the cyber security industry, providing you with a comprehensive understanding of penetration testing, security analysis, SCADA, and more.

Module Name	Credits
Fundamentals of Computer Security and Cryptography	4
Network Security and Attacks	4
Web Application Security and Attacks	4
Cyber Security and Ethical Hacking	2
Vulnerabilities and Attacks	2
Cloud Fundamentals and Cloud Security	2
Research Methodology	4

Module Name	Credits
Principles of Security Models, Design, and Capabilities	4
Cyber Security Analysis & Counter measures and Advance Security Analysis	4
Penetration Testing	4
Supervisory Control and Data Acquisition (SCADA) System and Information Hiding Techniques	2
Information Security Compliance Management	2
Cyber Crime Investigation	2
On Job Training	4

*Apply your knowledge in a real-world setting through on job training. Gain practical experience and network with industry professionals by enabling skills like problem solving, technical proficiency, and adaptability.*

# OUR PROMINENT FACULTY MEMBERS

Our faculty pool comprises many of the most reputed practitioners in the industry who have several years of experience and are hence capable of sharing unique insights. They are subject matter experts in their respective fields and facilitate lively discussions, allowing participants to share their insights and experiences with the class.

At BIL, our faculty's inspirational talent in the classroom is as important as their domain knowledge. They help our learners innovate in business practice and cutting-edge thinking and give them an opportunity to both influence and use evolving concepts.



20+ Years of Experience

**Prof. Rakesh Nair**  
Financial Derivatives and Commodities Expert



15+ Years of Experience

**Prof. Suhas Worlikar**  
M&A and Wealth Management Specialist



30+ Years of Experience

**Prof. Sanjay Ved**  
Technical Analysis Expert



15+ Years of Experience

**Prof. Shrikrishna Kulkarni**  
Blockchain and Cloud Computing Expert



10+ Years of Experience

**Prof. Vivek Garodia**  
Algorithmic Trading Instructor



10+ Years of Experience

**Prof. N.C. Amarnath**  
Financial Technology Expert

# INFRASTRUCTURE

BSE Institute Ltd. is situated in the heart of the financial hub of India, the Bombay Stock Exchange. Being located on such an iconic campus, BSE Institute boasts a state-of-the-art training facility, which provides a holistic learning experience for the students. Additionally, lectures are conducted in and around the premises of the Bombay Stock Exchange, further immersing students in the dynamic environment of India's financial center.



## LEARNING

# OUTSIDE THE CLASSROOM

Teaching and learning can become spontaneous and student-centered when moved out of the confines of the classroom and into the world at large. Learning experiences outside the classroom are inherently interdisciplinary. Here, at BSE Institute, we provide an experiential learning environment where students feel energized and confident in speaking their minds, ensuring every participant is constantly engaged and continually learning.



## **STUDENT EVENTS**

# **STOCK TORERO**

Imagine yourself getting an opportunity to do real-time trading in the prestigious halls of the Bombay Stock Exchange. BSE Institute makes this a possibility for many youngsters by initiating a one-of-a-kind national-level financial market competition called 'Stock Torero: Tame the Bull', which seeks to cultivate the financial aptitude of aspiring students. The competition effectively renders real trading scenarios in the financial markets, including financial professionals such as brokers, bankers, and a media team that feeds mock news affecting the demand and supply of stocks, thereby giving an experiential front-row feel of competitive trading to the participants. Management students from reputed business schools participate to hone their financial prowess. The excitement and enthusiasm seen amongst the competitors is cosmic, to say the least. The purpose of this tournament is to acclaim financial trading as a specialized skill among young minds.



## **DALAL STREET LIT FEST**

This one-of-a-kind event is a perfect collaboration and celebration of two completely diverse genres: - Finance and Art. Held at the iconic International Convention Hall at the Bombay Stock Exchange, the Dalal Street Lit Fest Exchange 2019 brought together many eminent business leaders, journalists, best-selling authors, storytellers, humanitarians, entertainers, great thinkers, and aspiring artists. With 'Water Conservation' being the theme for this edition, it managed to create awareness about its scarcity and the need for careful management.

A number of intriguing activities, like live sketching, tarot reading, henna art, pottery, food stalls, pop-up shops, and foot spa stalls, seemed to have greatly compelled the audience. Not to mention the splendid band events and enthralling performances that lifted our spirits on this enchanting venture!

True to its tagline, "The Flow of Life: from ideas to convictions to actions, via the diverse themes of Finance and Literature," this event has managed to disseminate motivational and inspirational messages while highlighting the need for water management and regulation.

## **STUDENT EVENTS**

### **TORQUE**

Torque at BSE Institute stands out as a significant and emotionally charged evening, blending happiness and nostalgia. It is the most important day in the life of the BIL students as it marks the culmination of their academic life. The graduates receive their degrees and awards for their achievements and also share their experiences via memorable speeches. During the annual flagship event of the institution, the Alumni Meet is also held to take a walk down the corridors of nostalgia. It is one of the most remarkable evenings that comprise the convocation, cultural show, prize distribution, and reunion.



## **CONVOCATION**

The ceremony includes the felicitation of students with certificates and trophies, marking the celebration of their impactful journey with BIL. The convocation ceremony is followed by a cultural event with stunning performances by the students. This day is a milestone for BIL students, symbolizing the culmination of their academic endeavors. As they receive degrees and awards, they share their experiences through heartfelt speeches. During the annual flagship event of the institution, the Alumni Meet is also held to take a walk down the corridors of nostalgia. It is one of the most remarkable evenings that comprise the convocation, cultural show, prize distribution, and reunion.

# STUDENT EVENTS

## SPORTS

Discover the perfect blend of academics and excitement at the BSE Institute! As part of our annual BSE Institute Student's Fest week, both our girls and boys showcased their cricket skills, with the event inaugurated by Mr. Ambarish Datta, former MD and CEO of BSE Institute Limited. In addition to cricket, our students hit the turf to engage in some high-quality football. Followed by the sports event, the prize ceremony of sports event winners and participants was honored at the BSE International Convention Hall.



# PLACEMENT ASSISTANCE

At BSE Institute, we understand that the ultimate goal of pursuing a Postgraduate Diploma in Cyber Security is to transition seamlessly into a rewarding career. As you embark on this educational journey with us, we are committed to providing not just academic excellence but also unwavering support in achieving your career aspirations.

Our Placement Assistance Program is meticulously designed to bridge the gap between education and employment, ensuring that you are well-prepared to enter the dynamic and competitive world of cyber security.



## Industry-Relevant Curriculum:

Our curriculum is crafted in collaboration with industry experts to equip you with the skills and knowledge that employers in the cyber security sector are actively seeking.



## Networking Opportunities

We provide numerous opportunities for you to connect with industry professionals through workshops, seminars, and networking events. Building these relationships is crucial for opening doors to potential career paths.



## Internship Programs

The internship embedded in our program is not just an academic requirement; it's a hands-on experience that allows you to apply theoretical knowledge in a real-world setting. This experience enhances your employability and expands your professional network.



## Resume Building and Interview Preparation

Our career guidance team is dedicated to helping you create a compelling resume that showcases your skills and accomplishments. Additionally, we provide comprehensive interview preparation sessions to boost your confidence in facing prospective employers.



## Placement Drives

We organize exclusive placement drives, inviting reputed organizations from the cyber security sector to recruit our talented graduates. These events provide you with direct access to potential employers and facilitate on-the-spot interviews.

# CORPORATE CONNECT/PARTNERS



# SOCIAL INITIATIVES

# CSR ACTIVITIES

BSE Institute Ltd. aims to achieve societal goals by engaging in and supporting learning opportunities for students in every demographic. One of our key CSR activities involves conducting workshops on financial literacy and life skills for rural women. These workshops empower them to learn financial concepts that are imperative for effective money management, making them small-time entrepreneurs and helping them apply for loans to fund their small-scale initiatives, which started building their morale by teaching them the benefits of financial independence. Through this initiative, we have trained over 1000 self-employed women in the Shivaganga District of Tamil Nadu. BSE Institute has taken initiative for the sustainable livelihood program, through which we have imparted financial skills to over 100 women who worked as beedi workers and beauticians. In addition to trade skills, each of these women was also trained in financial and micro-entrepreneurship skills.



# THE GLOBAL CONNECT

BIL has an outstanding track record in conducting highly acclaimed international programs, which have been well received by overseas participants representing regulators, stock exchanges, financial institutions, banks, leading brokerage houses, and other professionals from financial intermediaries. Participation includes representation from a number of regions such as South Asia, Central Asia, Eastern Europe, Middle East and Africa. BIL has an MOU with the Australian Trade Commission, Government of Australia, Canada, Muscat and Singapore.

## **Some of the programs conducted by BSE Institute Ltd. are:**

- Exposure to Indian Financial Markets
- Indian Rural Market Immersion
- BSE International Financial Olympiad
- Capstone Unit at BSE Institute



**THE EDGE**

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# BSE INSTITUTE LIMITED

BIL has the distinct advantage of being at the center of action, being located in the financial hub of India, and being one of the world's most rapidly emerging markets. Our commitment to always being at the forefront of competitive, contemporary, and evolving business practices has led to the initiation of programs that reflect the realities of the marketplace.

Furthermore, our course design and development are firmly grounded in knowledge of business processes - in entrepreneurial companies and established firms, unconstrained by the boundaries of academic disciplines.



# ADMISSION PROCESS

## BIL Entrance Test Dates

BIL Entrance Test	Entrance Test Date
BIL ET 1	29 <sup>th</sup> April 2024
BIL ET 2	10 <sup>th</sup> May 2024
BIL ET 3	20 <sup>th</sup> May 2024

**Program fees :** Rs 2,06,070/-



ELIGIBILITY CRITERIA	APPLICATION PROCESS	SELECTION CRITERIA	CANCELLATION AND REFUND PROCEDURE
Graduates with minimum 50% from a recognized University.	Students will need to apply for the program by making a payment of  Indian students - Rs. 500 International students - \$100	Valid BIL- ET* Scores for Indian as well as International students.	The students who wish to cancel their admission will have to submit an application along with their original fee receipt and college ID within a month of application submission.
Students awaiting final semester results of graduation can also submit their application by providing their Hall Ticket.	The payment has to be made online by visiting <a href="https://bsevarsity.com/products/post-graduate-diploma-in-cyber-security-1">https://bsevarsity.com/products/post-graduate-diploma-in-cyber-security-1</a>	Selected students will be called for Personal Interview.	The Application fees once paid will not be refunded for any reason.
	Once the payment is made, a screen shot of the payment is to be shared with the admission counsellor.		The admission fee will be refunded to a student in case he or she drops out before the course commences and does not attend any lectures, seminars, or practical. In this case, 25% of the total fees paid will be deducted, and the rest of the amount will be refunded.
	Upon payment confirmation the candidate will be provided with the BIL Entrance Test date.		No fees will be refunded post commencement of the course. Students failing in any semester or at graduation will not be eligible for any kind of refund from the institute.

\* All queries should be mailed to: [training@bsebt.com](mailto:training@bsebt.com)





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19th Floor, P. J. Towers, Dalal Street, Mumbai - 400 001.  
 1800 22 9030 training@bsebti.com www.bsebti.com

Scan for Course Details

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 @BSEInstitute

