

# BIA

BOSTON  
INSTITUTE OF  
ANALYTICS<sup>®</sup>

GLOBAL LEADER IN PROFESSIONAL TRAINING PROGRAMS

DUAL CERTIFICATE PROGRAM IN

## FULL STACK WEB DEVELOPMENT



**#1 INTERNATIONAL  
TRAINING INSTITUTE**

RANKED BY BUSINESS WORLD, BRITISH COLUMBIA TIMES,  
BUSINESS STANDARD, AVALON GLOBAL RESEARCH, IFC  
AND SEVERAL RECOGNIZED FORUMS.

[www.bostoninstituteofanalytics.org](http://www.bostoninstituteofanalytics.org)







BOSTON  
INSTITUTE OF  
ANALYTICS



# Boston Institute of Analytics - Empowering Minds, Transforming Futures.

As the world's top ranked advanced training institute, Boston Institute of Analytics imparts training to students and working professionals via classroom training conducted by industry experts. With training campuses across US, UK, Europe and Asia, BIA® has training programs across the globe with a mission to bring quality education in emerging fields. BIA® courses are designed to train students and professionals on industry's most widely sought after skills, and make them job ready in today's rapidly evolving world.

Boston Institute of Analytics stands as the pinnacle of global excellence in education, boasting three distinguished schools that cater to the diverse and evolving demands of the professional landscape.

The **BIA® School of Technology & AI** offers a spectrum of courses ranging from Data Science to Cyber Security, ensuring students are equipped with cutting-edge skills in the rapidly advancing field of technology. The **BIA® School of Management** provides comprehensive courses in disciplines such as Investment Banking, Financial Analytics, and Business Management, shaping future leaders with a strategic and forward-thinking mindset. For those aspiring to enter the creative industries, the **BIA® School of Animation & Design** offers courses in Animation, Gaming, Fashion Analytics, VFX, and more, fostering innovation and artistic expression. **BIA® School of Media and Communications** has range of in-demand courses spanning across journalism, advertising, english communications and public speaking to equip students to thrive in today's ever-evolving media and communications landscape. **BIA® School of Scholars** has an array of engaging courses tailored for young minds in the K-12 age group, covering a spectrum from abacus, animation, AI, robotics to foreign languages, preparing the young minds for the hyper competitive world of tomorrow.

BIA's influence extends across the globe with a network of 85+ campuses, creating a truly international learning environment. At the heart of its success is the commitment to delivering training by industry experts, ensuring that students receive real-world insights and practical knowledge. BIA's immersive classroom interactive format enhances the learning experience, allowing students to engage actively with the material and collaborate with peers. As the global leader in these specialized courses, BIA® continues to shape the future of professionals, empowering them to thrive in their chosen fields.

BIA® has been consistently ranked number one international training institute by Business World, British Columbia Times, Business Standard, Avalon Global Research, IFC and Several Recognized Forums. Boston Institute of Analytics classroom training programs have been recognized as industry's best training programs by global accredited organizations and top multi-national corporates.



**BIA**

BOSTON  
INSTITUTE OF  
ANALYTICS<sup>®</sup>

# Global Leader in Professional Training Programs

**7+**

COUNTRIES

**105+**

CAMPUSES

**350+**

GLOBAL CORPORATE  
PARTNERS

**50,000+**

BIA<sup>®</sup> TRAINED STUDENTS

**15+ Million**

TRAINING HOURS COMPLETED

**7,000+**

INDUSTRY TRAINERS



# Top Enrolled BIA® Courses

**BIA** BOSTON INSTITUTE OF ANALYTICS

BECOME A  
BIA® CERTIFIED  
**DATA SCIENTIST**  
IN 4 MONTHS

**1500+**  
Admissions  
Every Month

DATA SCIENCE & ARTIFICIAL INTELLIGENCE

**BIA** BOSTON INSTITUTE OF ANALYTICS

BECOME A  
BIA® CERTIFIED  
**CYBER SECURITY & ETHICAL HACKING**  
PROFESSIONAL

**1300+**  
Admissions  
Every Month

CYBER SECURITY & ETHICAL HACKING

**BIA** BOSTON INSTITUTE OF ANALYTICS

GET DUAL CERTIFICATION IN  
**INVESTMENT BANKING & FINANCIAL ANALYTICS**

**1100+**  
Admissions  
Every Month

INVESTMENT BANKING & FINANCIAL ANALYTICS

**BIA** BOSTON INSTITUTE OF ANALYTICS

BECOME A  
BIA® CERTIFIED  
**FULL STACK WEB DEVELOPMENT**  
EXPERT IN 4 MONTHS

**1200+**  
Admissions  
Every Month

FULL STACK WEB DEVELOPMENT

And Many More...



## Key Highlights



### INDUSTRY APPROVED CURRICULUM

Courses designed and developed by top industry professionals.



### LEARN FROM SCRATCH, OR NOT!

Depending on your current expertise level, choose Core or Advanced module.



### HANDS-ON TRAINING

You cannot master a language without speaking it.



### 100% PLACEMENT ASSISTANCE

Access to jobs and internships from partner companies, resume building, interview prep and soft skills training.



### BECOME INDUSTRY READY

Work on real industry case studies.



### UNIFIED LEARNING

Explore the benefits of both classroom & online learning.



### LEARN FROM EXPERIENCED INDUSTRY PROFESSIONALS

Professionals know what to prepare you for.





## BIA<sup>®</sup> Alumni Working With Top Global Companies

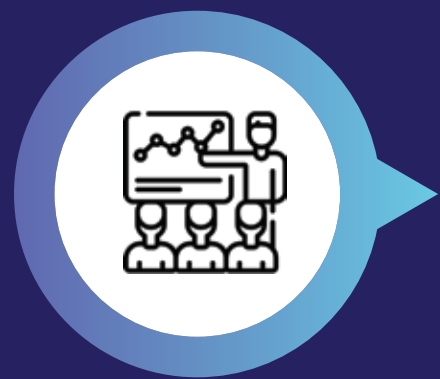
And Many More...



# Learning Path



LEARN THROUGH CASE STUDIES



UNDERGO HANDS-ON TRAINING



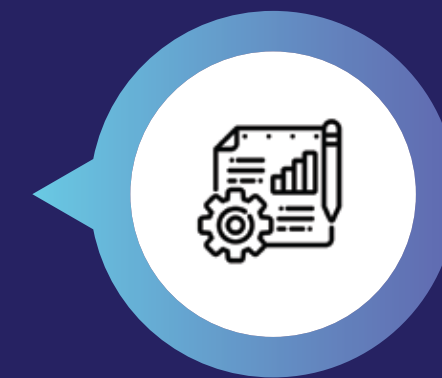
PERFORM ASSIGNMENTS



CAPSTONE PROJECT



INTERVIEW PREP AND  
SOFT SKILLS TRAINING



IN-CLASS ASSESSMENT AND  
FEEDBACK ON ASSIGNMENTS



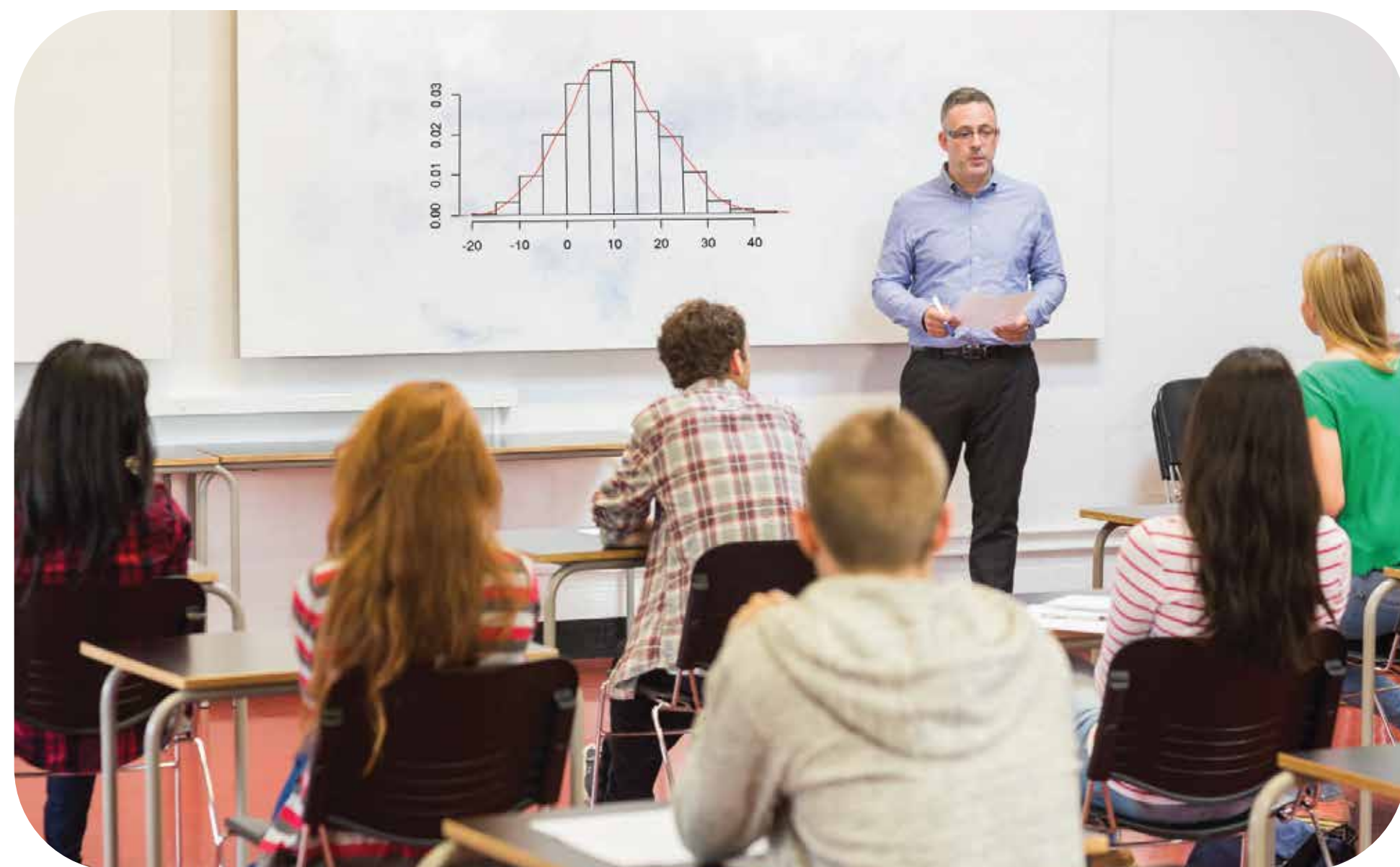
PLACEMENT ASSISTANCE



LIFETIME CAREER SUPPORT



# Mode of Learning



**CLASSROOM**



**ONLINE**

BIA<sup>®</sup> has a **CLASSROOM + ONLINE** training pattern where students have the flexibility to attend the sessions IN CLASSROOM as well as ONLINE. BIA<sup>®</sup> Trainers conduct the training sessions live from BIA<sup>®</sup> Classrooms. All BIA<sup>®</sup> sessions are live streamed for students from that batch, thus enabling students to attend the same sessions ONLINE and interact with the Trainer as well as other students.



## Skill-Sets Covered



**VERSION CONTROL**



**COMMAND LINE**



**WEB SECURITY**



**APPLICATION  
PROGRAMMING  
INTERFACES (APIS)**



**TESTING**



**DEPLOYMENT**



**BUILD TOOLS**



**TASK RUNNERS**



**DATABASE  
MANAGEMENT**



**RESPONSIVE  
WEB DESIGN**

## Tools & Technologies



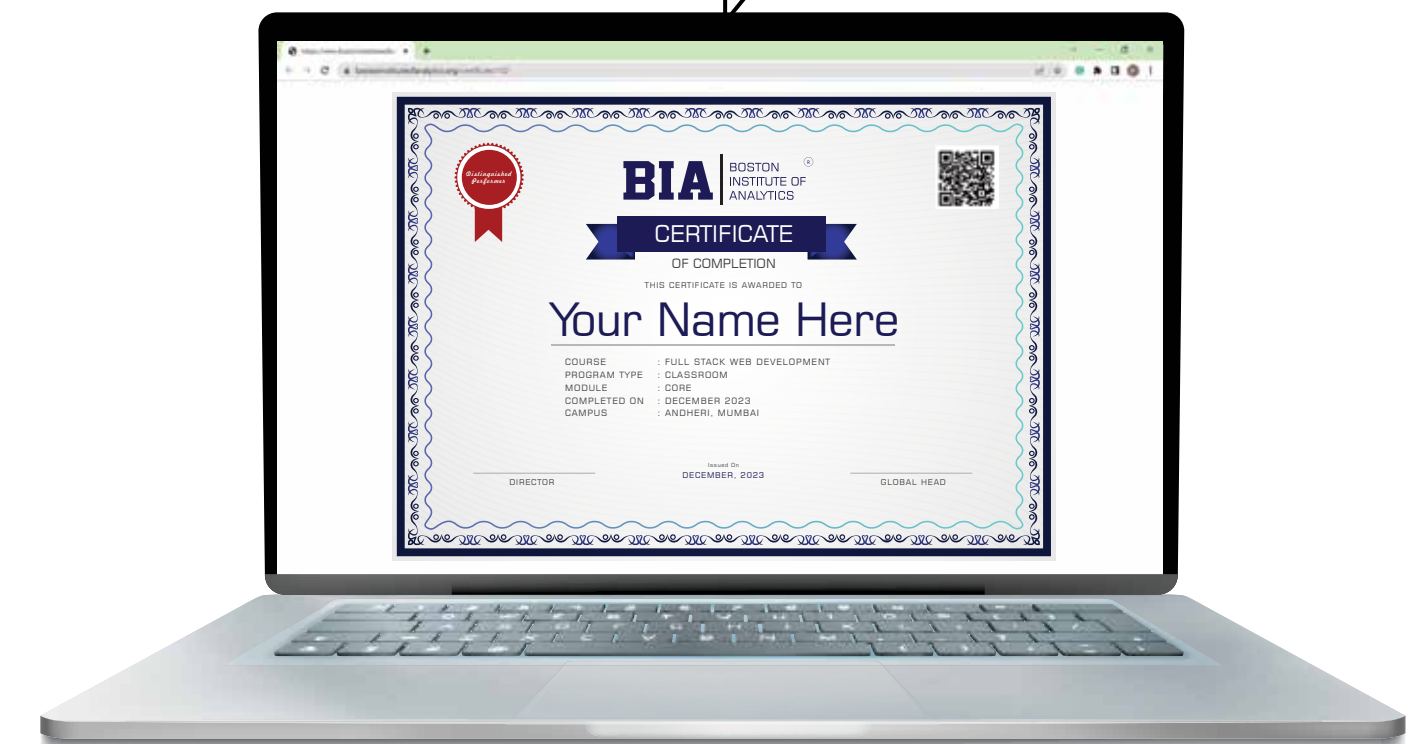




## International Certification Right Here In India!



All our certificates are validated with  
a unique authorization QR code.





# Know Your Future As Full Stack Web Development Professional

## Job Roles You Can Apply For

**FULL STACK DEVELOPER**

**FRONT-END DEVELOPER**

**BACK-END DEVELOPER**

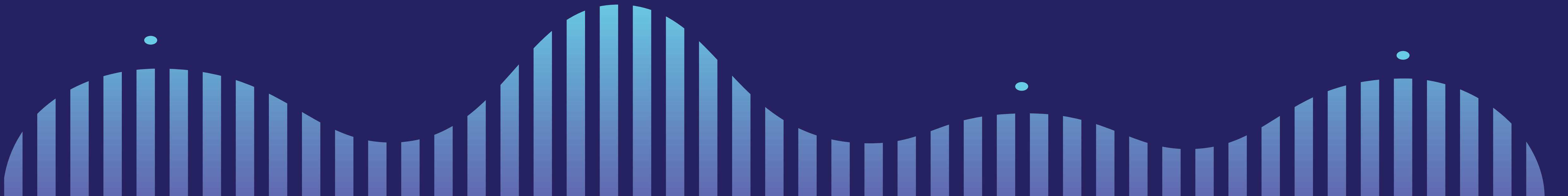
**WEB APPLICATION  
DEVELOPER**

**NODE.JS DEVELOPER**

**DATABASE DEVELOPER**

**REACT DEVELOPER**

**And Many More...**





# DUAL CERTIFICATION

IN TWO MOST IN-DEMAND AND HIGHLY PAID SKILLS

## FRONTEND WEB DEVELOPMENT

+

## BACKEND WEB DEVELOPMENT





# FULL STACK WEB DEVELOPMENT

## CORE MODULE

Embark on a transformative journey with our Full Stack Web Development course. Dive into the heart of web technologies, mastering both frontend and backend development. Unleash your potential to create stunning, dynamic websites and become a sought-after developer in the digital era.



## CERTIFICATION

4 Months

(100 HOURS WEEKEND COURSE)

## DIPLOMA

6 Months

(100 HOURS WEEKEND COURSE) +  
(2 MONTHS PROJECT INTERNSHIP)

## MASTER DIPLOMA

10 Months

(100 HOURS WEEKEND COURSE) + (6 MONTHS ON-JOB TRAINING AS FULL STACK DEVELOPER)

### COURSE EXPECTATIONS AND STRUCTURE

- Overview of the Course Modules
- Brief on Assignments and Assessments

### INTRODUCTION TO LEARNING ENVIRONMENT

- Digital Platforms and Resources
- Communication Channels

### HTML & CSS MASTERY

- Structure and Semantics
- Styling and Layouts
- Responsive Design
- Project: Building a Modern Website

### JAVASCRIPT FUNDAMENTALS

- Variables and Data Types
- Functions and Control Flow
- DOM Manipulation
- Project: Interactive Web Pages

### FRONT-END FRAMEWORKS: REACT

- Components and Props
- State and Lifecycle
- Routing in React
- Project: Building a React App

### SERVER - SIDE SCRIPTING WITH NODE.JS

- Node.js Basics
- Express Framework
- Middleware and Routing
- Project: RESTful API Development

# FULL STACK WEB DEVELOPMENT

## DATABASE MANAGEMENT: MONGODB

- NoSQL Databases
- CRUD Operations
- Mongoose ODM
- Project: Building a Database-Driven Application

## BACK-END FRAMEWORKS: EXPRESS

- Routing and Middleware
- Templating Engines
- Authentication and Authorization
- Project: Full Stack Application

## VERSION CONTROL WITH GIT & GITHUB

- Git Basics
- Branching and Merging
- Collaboration on GitHub
- Project: Collaborative Development

## DEPLOYMENT & HOSTING

- Cloud Platforms
- Docker Containers
- Continuous Integration/Continuous Deployment (CI/CD)
- Project: Deploying a Full Stack Application

## CAPSTONE PROJECT ALLOCATION, MENTORSHIP & PRESENTATION

- Project and Dataset Assignment by Capstone Mentor
- Orientation Session by Capstone Mentor – Project Expectations
- Mentorship Session by Capstone Mentor – Doubt Resolutions
- Project Presentation

## INTERVIEW PREPARATION

- Interview Do's and Don'ts
- Mock Interviews
- HR and Technical Interview Prep
- One-on-One Feedback

## SOFT SKILLS TRAINING

- Presentation Skills
- Email Etiquettes
- LinkedIn Profile Building
- Personality Development and Grooming



# Access to Global Network of BIA® Advisory Council



**ASHWIN MALIK  
MESHRAM**

Managing Director of a US-based machine learning company, specializing in algorithm development for financial services. IIT Bombay alumnus.

**Specialities:**

Predictive Analytics, Machine Learning,  
Artificial Intelligence

**Domain Expertise:**

Insurance, Retail, E-commerce, Banking,  
Asset Management



**XI ZHAO**

Co-leading the Financial Literacy Initiative at Boston Private Industry Council, Member of 'President's Council' at Boston Children's Museum, Teaches Investment course at Clark University, CFA® Charter Holder, Boston University alumnus.

**Specialities:**

Econometrics, Risk Modelling,  
Marketing Analytics

**Domain Expertise:**

Automobile, Banking, Insurance,  
Asset Management



**PETER VIOLA**

VP of Product and Implementation at a US-based machine learning and artificial intelligence company; Majored in Physics from Tufts University.

**Specialities:**

Scenario Planning Algorithms, M &  
A Analytics, Operational Efficiency

**Domain Expertise:**

Insurance, Asset Management,  
E-commerce



**MICHAEL AGHA**

Advisor at SPARK research program at Stanford University, Ex- Global Brand Strategy at Intel, Ex-Oliver Wyman, Wharton alumnus.

**Specialities:**

Corporate Strategies, Marketing Analytics,  
Business Transformation

**Domain Expertise:**

Health Care & Life Sciences, Pharmaceutical,  
Hard Tech



**JAMES KERLEY**

Managing partner at US based business transformation company, Ex-CMO at LIMRA LOMA.

**Specialities:**

Sales Analytics, Marketing, Strategy

**Domain Expertise:**

Insurance, Finance, Wealth Management



**TONY BORDON**

Managing Director of a global company specializing in analytics and insurance-based software; Board member of The Boston Children's Museum and BUILD.ORG. Ex-president of Institutional Initiatives with The Princeton Review. Ex-COO of Riverdeep Inc.

**Specialities:**

Marketing Analytics,  
Sales Strategies

**Domain Expertise:**

Digital Media, Education,  
Entertainment Publishing



**NIRAV DAGLI**

CEO of a predictive analytics and artificial intelligence company based out of Boston. Ex-Partner at Oliver Wyman.

**Specialities:**

Financial Modelling, Algorithm Development,  
Predictive Analytics

**Domain Expertise:**

Banking, Insurance, Asset Management,  
Consumer Goods



**RISHIKESH  
DESHPANDE**

CEO of a marketing and research analytics firm. Consultant to Fortune 1000 companies.

**Specialities:**

Marketing Analytics, Financial Modelling,  
Predictive Analytics

**Domain Expertise:**

Retail, FMCG, Consumer Goods, Media,  
Manufacturing, Telecom



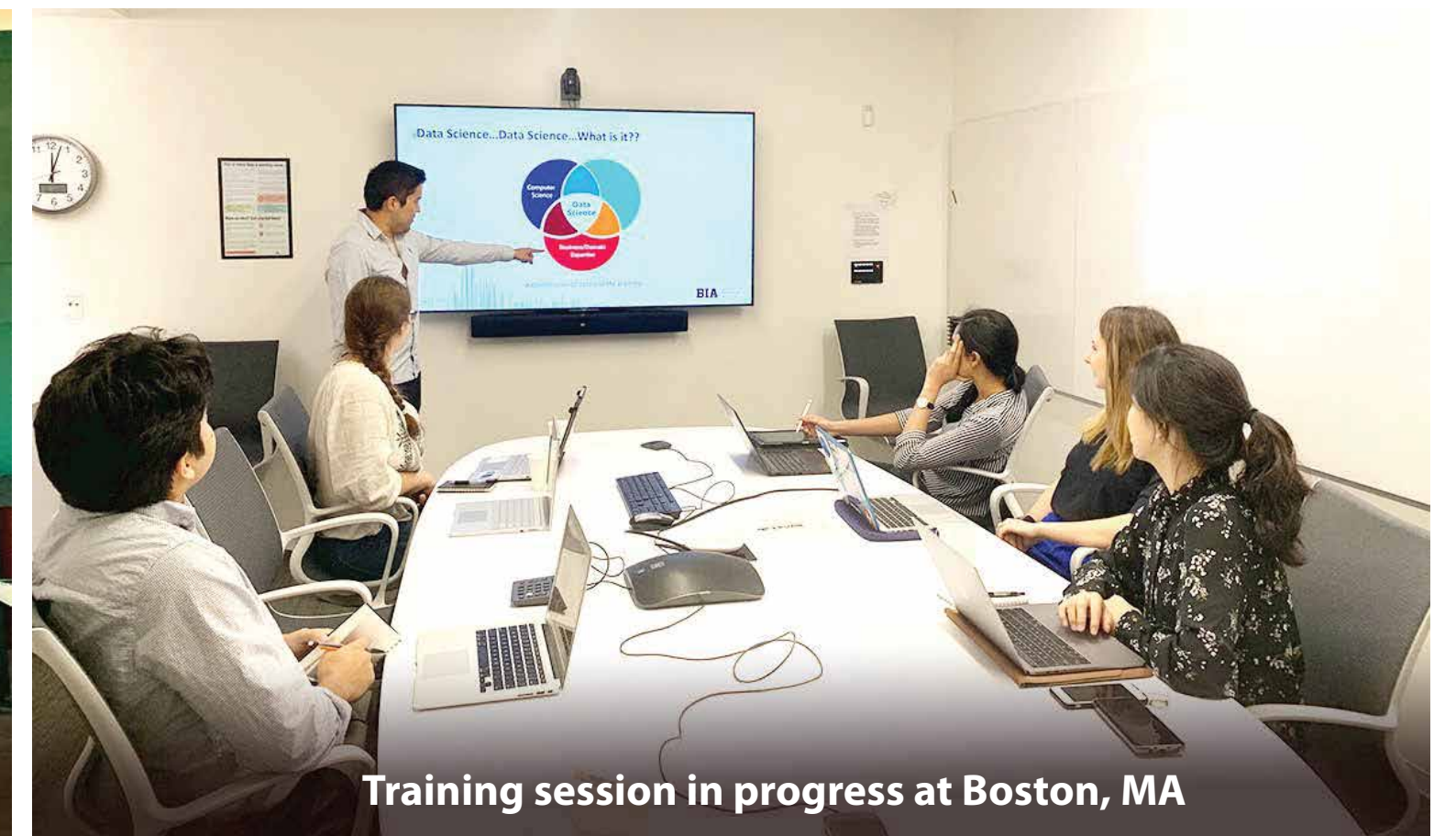
# BIA<sup>®</sup> In Action



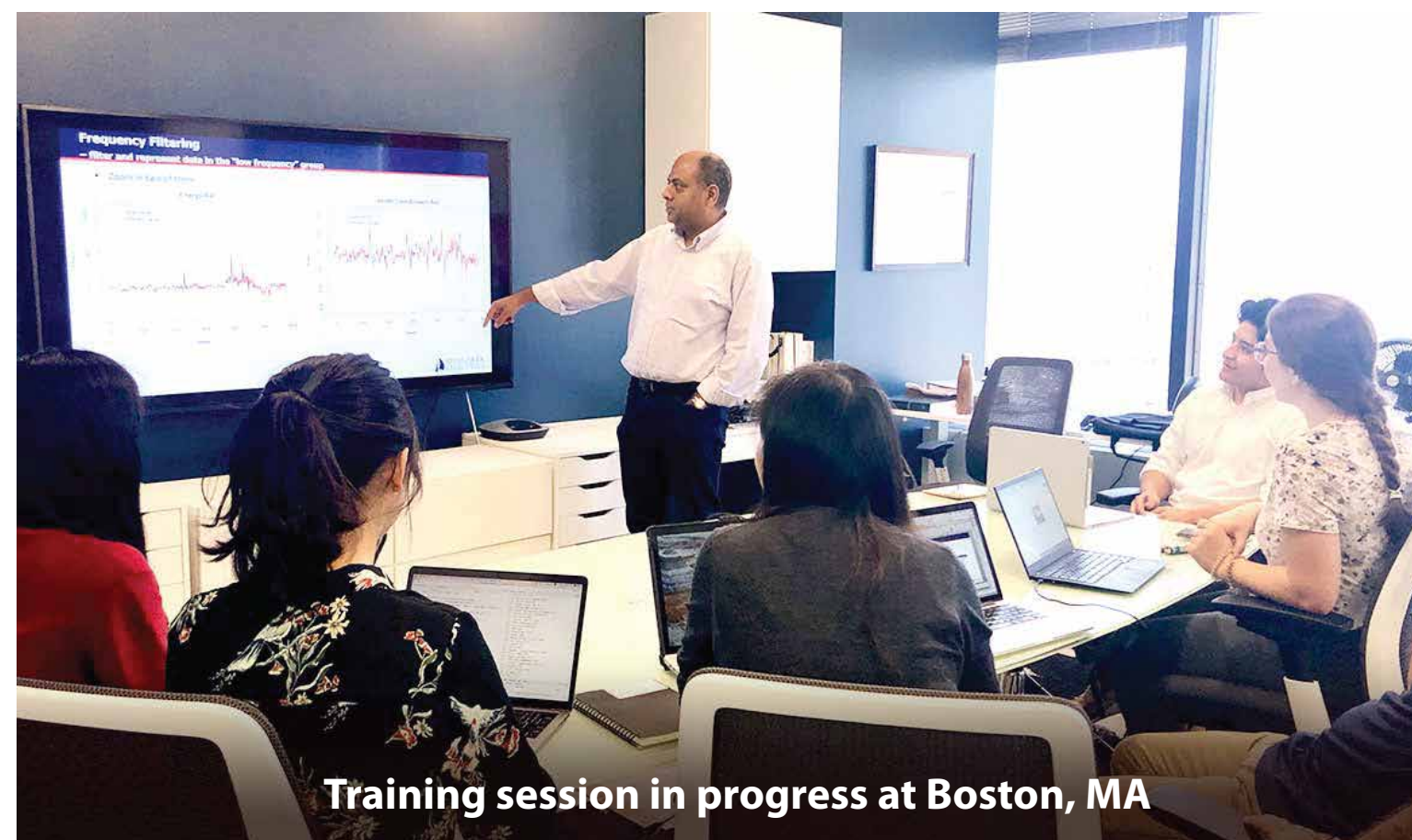
Case Study session at Boston University Questrom School of Business



Case Study session at Boston University



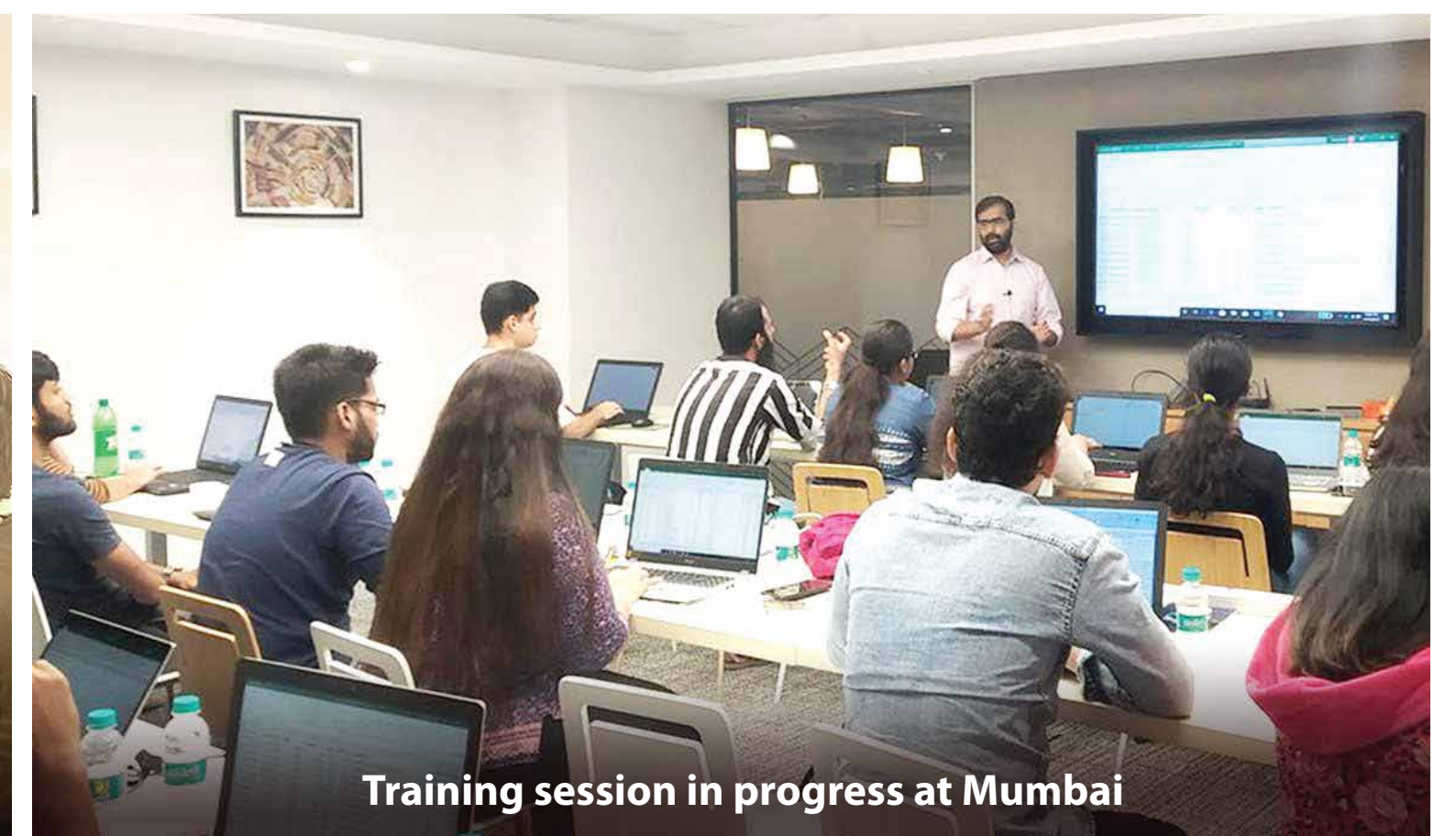
Training session in progress at Boston, MA



Training session in progress at Boston, MA



Industry case study presentation at Boston, MA



Training session in progress at Mumbai



# BIA<sup>®</sup> In Action



Training in progress at Boston, MA



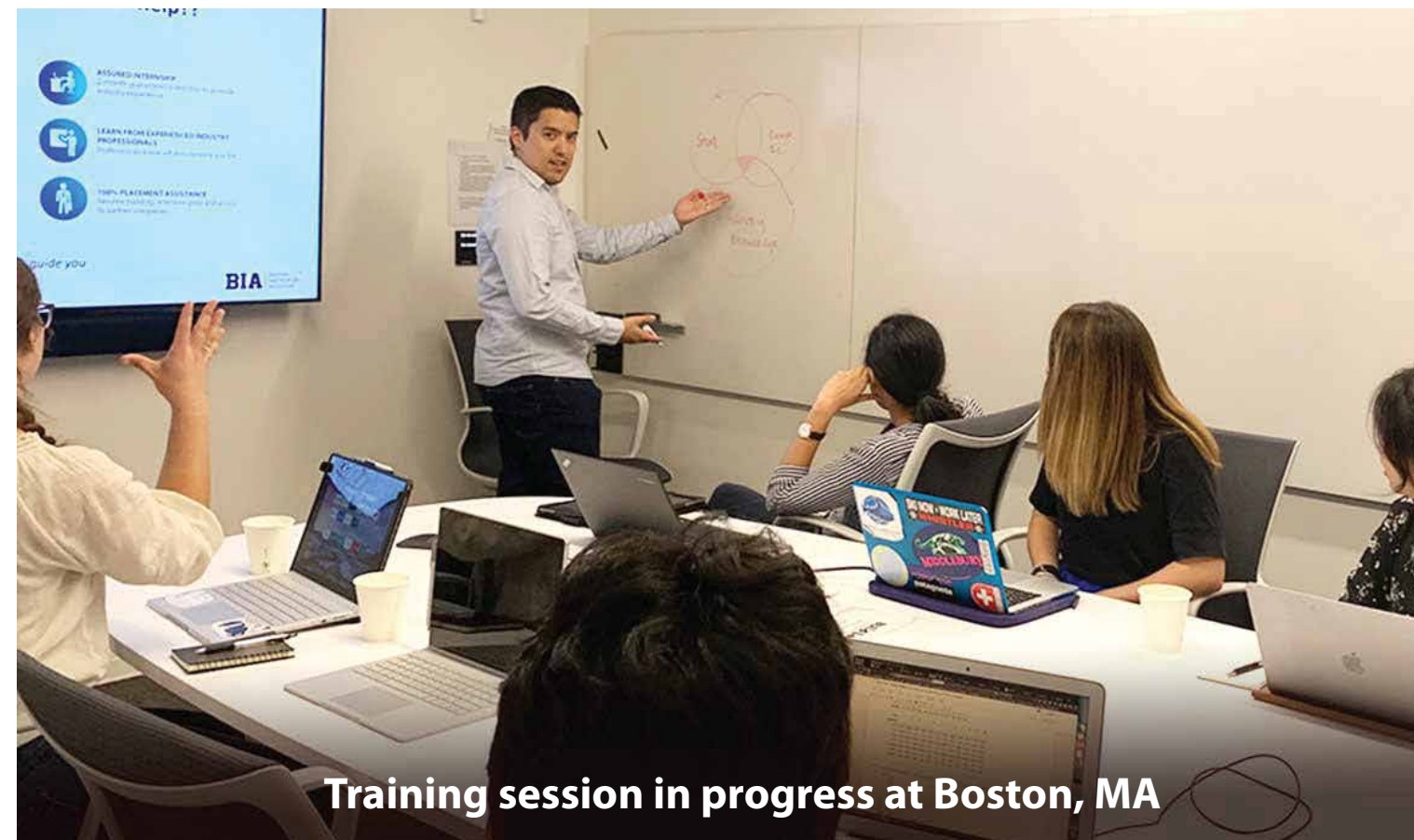
Industry case study presentation in progress



Case Study session at Boston University



Case Study session at Boston University Questrom School of Business



Training session in progress at Boston, MA



Session in progress at Boston, MA



# BIA

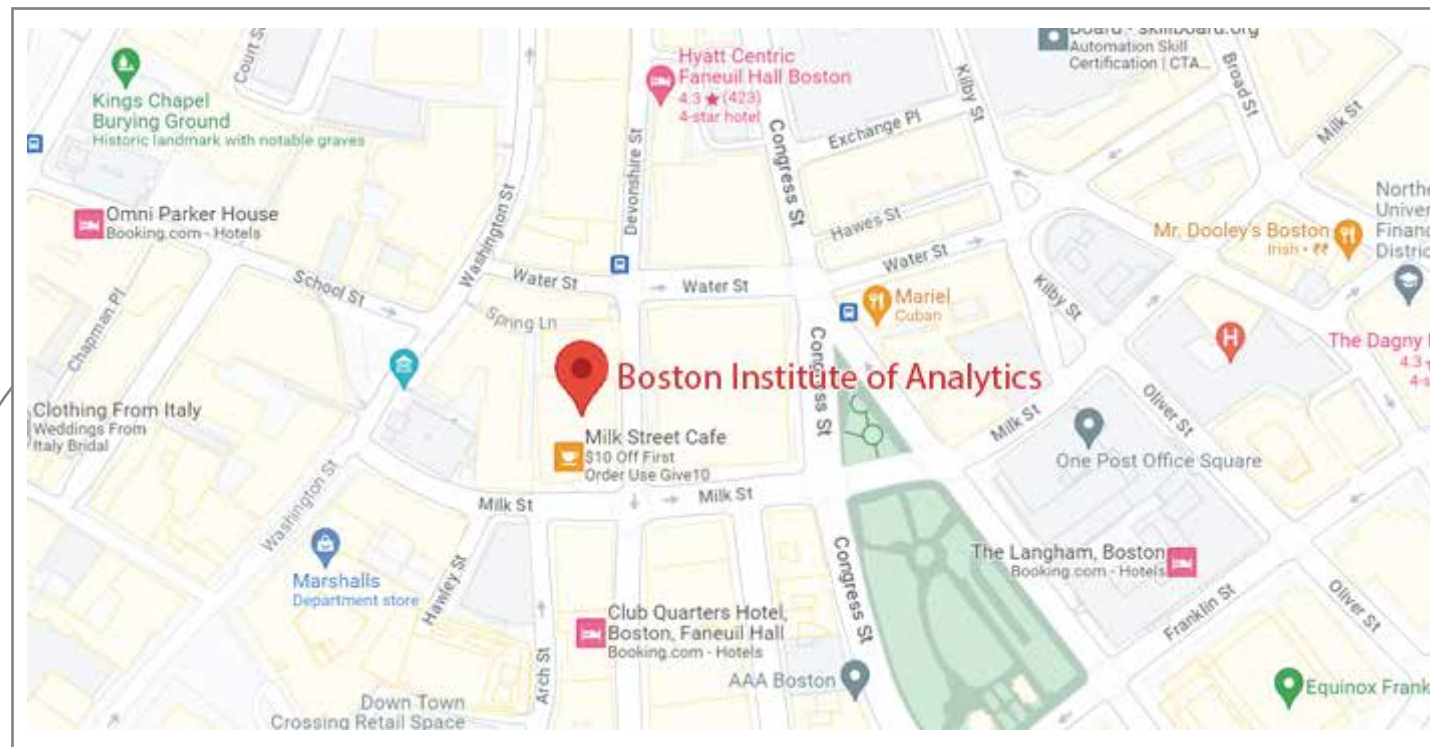
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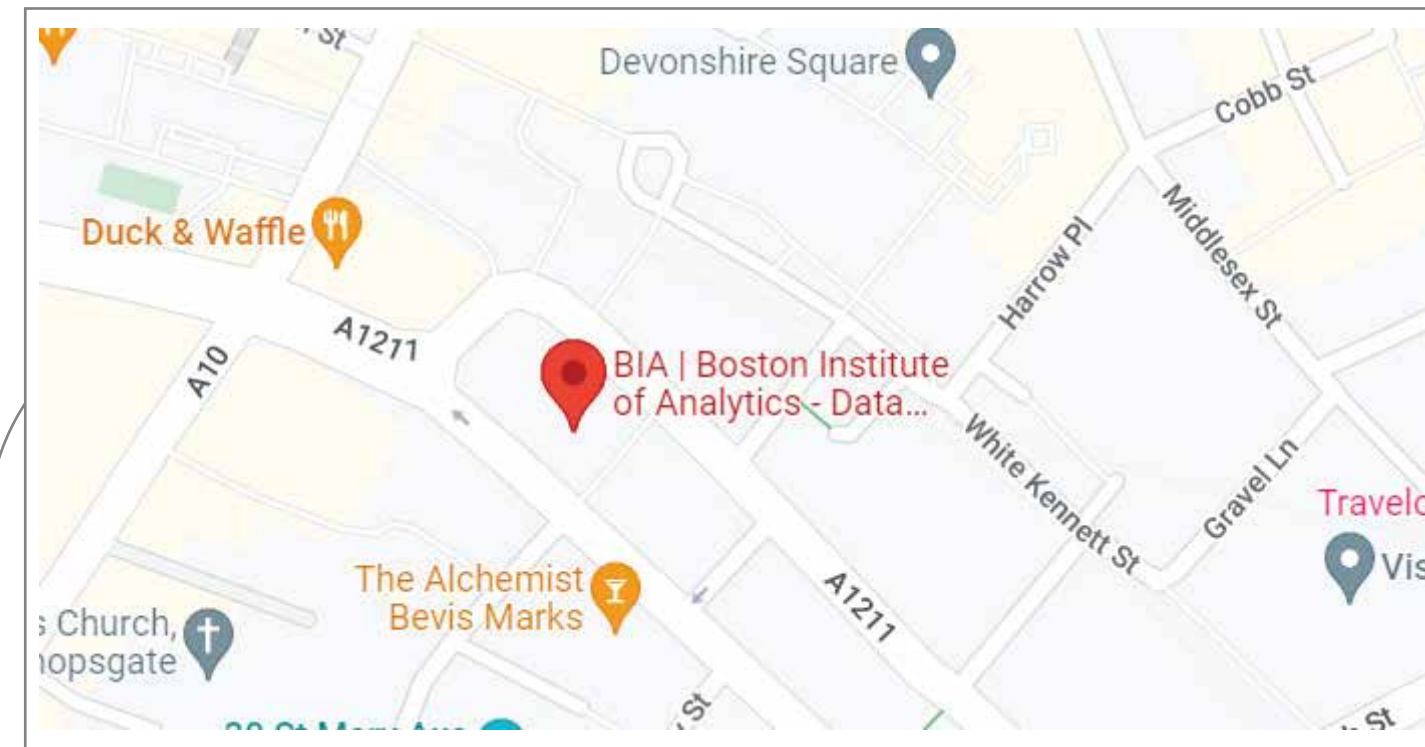
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For any queries, please contact



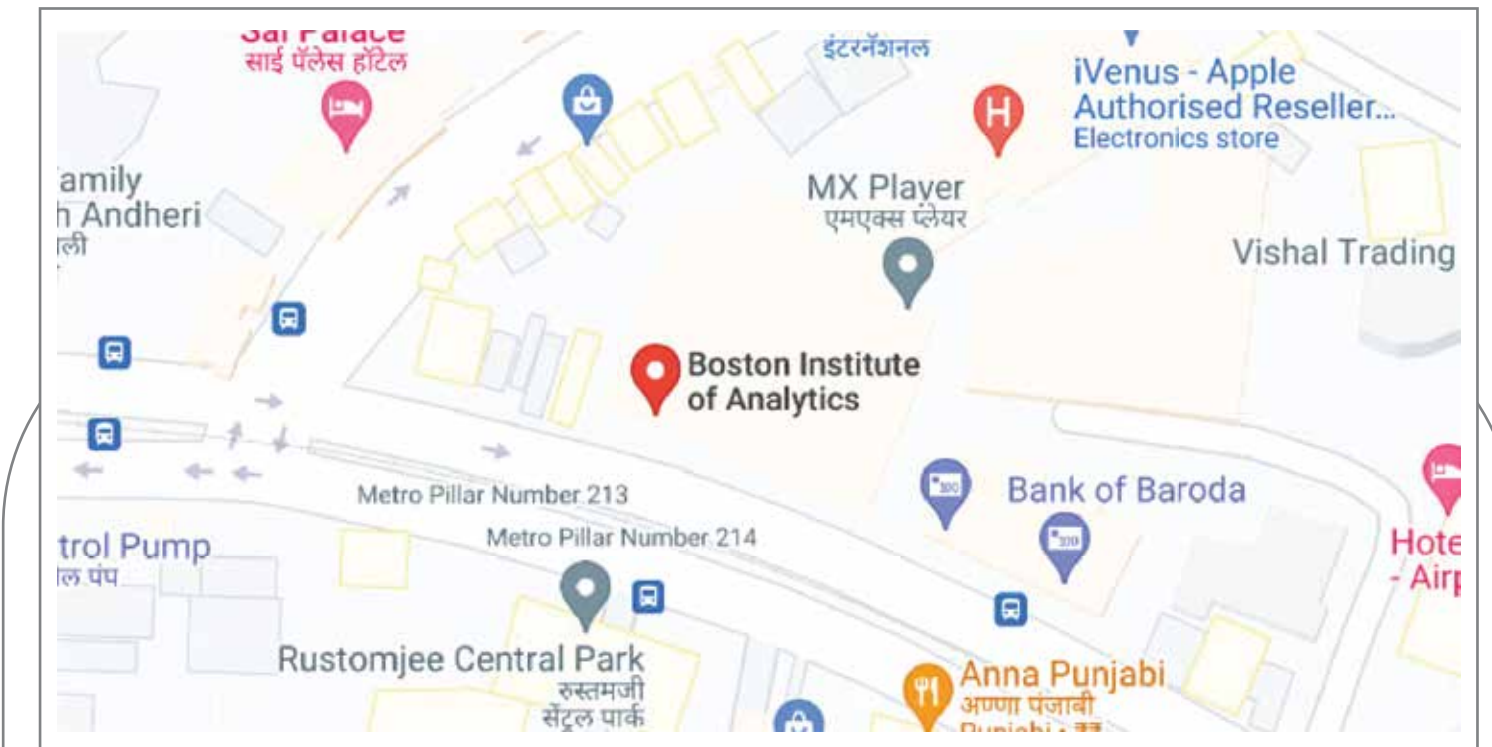
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EC3A 8BF



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