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# PG DIPLOMA IN DATA ANALYTICS



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The Postgraduate Diploma in Data Analytics provides a comprehensive exploration of essential concepts in the scope of data analysis and Big Data technologies. The curriculum reveals with a practical focus on data wrangling and cleaning, ensuring students master the intricacies of preprocessing, cleaning, and transforming data for accurate and reliable analysis. Advanced statistical analysis and modelling, connected with the art of data visualization, empower students to derive meaningful patterns and insights from complex datasets, enhancing their ability to communicate findings effectively. The program extends its reach into the dynamic field of Big Data technologies, where students gain proficiency in handling large and intricate datasets using cutting-edge tools like Hadoop and Spark. Real-world application is emphasized through hands-on projects, allowing participants to apply their skills to tangible challenges, thereby building a portfolio that reflects their practical expertise.

The aim is to prepare graduates for success in data-driven environments, where they can contribute meaningfully to decision-making processes, address challenges in the field of data analytics, and adhere to ethical standards in data handling. The program aims to produce skilled professionals who are well-prepared to enter the workforce as adept data analysts with a strong foundation in both analytics and Big Data technologies.

# OBJECTIVES

- » Foundational Knowledge
- » Practical Data Management
- » Advanced Analytics
- » Data Visualization
- » Big Data Proficiency
- » Real-world Application



# CAREER OPPORTUNITIES

Graduates of the Postgraduate Diploma in Data Analytics are well-prepared for a wide range of career opportunities. Some potential career paths include:

- » Data Analyst
- » Business Intelligence Analyst
- » Data Scientist
- » Machine Learning Engineer
- » Big Data Engineer
- » Data Engineer
- » Database Administrator
- » Business Analyst





# ABOUT EUCLÉA

Eucléa Business School, a Collège de Paris member, is a leader in business, technology, and management education. We provide complete training from Post-Bac to Bac+5 at our sites in Strasbourg, Metz, Mulhouse, and Reims. Eucléa is dedicated to pedagogical excellence and personal development, with the goal of improving your abilities, broadening your perspectives, and preparing you for a bright future. Join us for an exciting student experience!

Britts Imperial University College (UAE) is a well-known center for top-tier technology and business education in the Middle East and worldwide. With over 3000 students, it has a strong reputation, particularly for its innovative online and hybrid learning approaches. The college prioritizes student placements and promotes accessibility through partnerships with various organizations.

ABOUT  
US

# STUDENT TESTIMONIAL



## Nisha Shah

Associate Director | Rethink ME Ltd.

"At Euclea Business School and Britts Imperial University College, I am thankful to all the lecturers who supported us and made this course very interesting and interactive. Adding to this, after studying International Business, I have a better understanding on how to oversee a diverse team, perform research within a global context and improve my business performance."



## Mufeed Ahmed

Content Associate | Instashop, UAE

"The PG Diploma program from Euclea Business School (Britts Imperial University College) in Artificial Intelligence gave me the feeling of contentment and accomplishment. The program is delivered in a flexible style that offers the best return on your investment compared to any other program. I would highly recommend it to any working professional looking to earn an MBA degree, gain your precious time and take your professional career to entirely new level."



## Manali Khara

Family Business | Maxsell Petrochem Pvt. Ltd.

"The PG Dip program from Euclea Business School and Britts Imperial University College had a significant impact on my professional development. It helped me to develop better proficiency in digital marketing. I was able to apply the skills and knowledge developed in the program with my job which resulted in several immediate professional successes."



## Abdul Matin

Operation manager | Nest Academy

"After joining Euclea Business School (Britts Imperial University College), I got in-depth knowledge about management and corporate. It also provided me with a path to build my career and helped me with expertise in Project Management, with skills in Time Management & Leadership."



## Meet Mandaliya

Executive Sales Coordinator | N.K.Pharma PVT. LTD

"As far as academics is concerned, Euclea Business School (Britts Imperial University College) provides an excellent foundation for a smooth take-off in our respective careers. The career progression programs such as Career Assessment and especially the Global Job Search Engine have given us an overview and exposure to the professional world. I must say studying at BIUC has been a wonderful experience."



## Chinmayee Sule

Relationship Manager | HDFC BANK

"I am proud to say that I belong to this wonderful temple of knowledge Euclea business school (Britts Imperial University College). I was highly elated when I got the admission and got certified in Data Analyst, in this short period without compromising my job. I appreciate that they worked on our flexibility as professionals."



# KEY HIGHLIGHTS

- Interactive Live Sessions Led by Global Experts
- Over 200 Hours of Guided Learning
- Continuous Support Available Seven Days a Week
- Real-World Industry Projects and Case Studies
- 15+ Tailored Industry Sessions for a Personalised Experience
- 10+ In-Depth Case Studies to Enhance Your Skills
- Interview Preparation and Mock Interviews for Career Success
- Hands-On Experience with Building Your Own Product (BYOP)
- A Career-Centric Approach to Achieve Your Goals
- Two Years of Unlimited Access to High-Quality Content
- Euclea Certification to Validate Your Expertise
- Customised Resume Building Exercise for Professional Enhancement
- Lectures by Highly Qualified Professors and Industry Experts
- More Practical-Driven Learning Through Industry Case Studies, Assignments, and Simulations
- Migration Opportunity to France or Dubai (Upon Visa Approval)
- Pathway to WES CANADA AND UK NARIC Recognized, Equated to Canadian Masters and British bachelor's degree.
- Assistance in Capstone Project Development
- Placement and Internship Opportunities



# COURSE STRUCTURE

## PGDIP - PG Diploma in Data Analytics

| Year                        | BIG Code | Course Code | Bloc | Course Title                                 | Credits   |
|-----------------------------|----------|-------------|------|--|-----------|
| Yr-1                        | MSCC001  | MICC        | -    | Managing Innovation and Change in Computing  | 10        |
|                             | MSCC002  | SDUE        | -    | Systems Development and User Experience (UX) | 10        |
|                             | MSCC003  | IMCS        | -    | Implementing and Managing Cyber Security     | 10        |
|                             | MSCC004  | BIS         | -    | Business Intelligence Systems                | 10        |
|                             | MSCC005  | IP          | -    | Independent Project                          | 10        |
|                             | MSCC006  | DABD        | -    | Data Analytics and Big Data                  | 10        |
|                             | MSCC007  | CBRM        | -    | Computer Based Research Methods              | 10        |
| <b>Total Credits (ECTS)</b> |          |             |      |  | <b>70</b> |

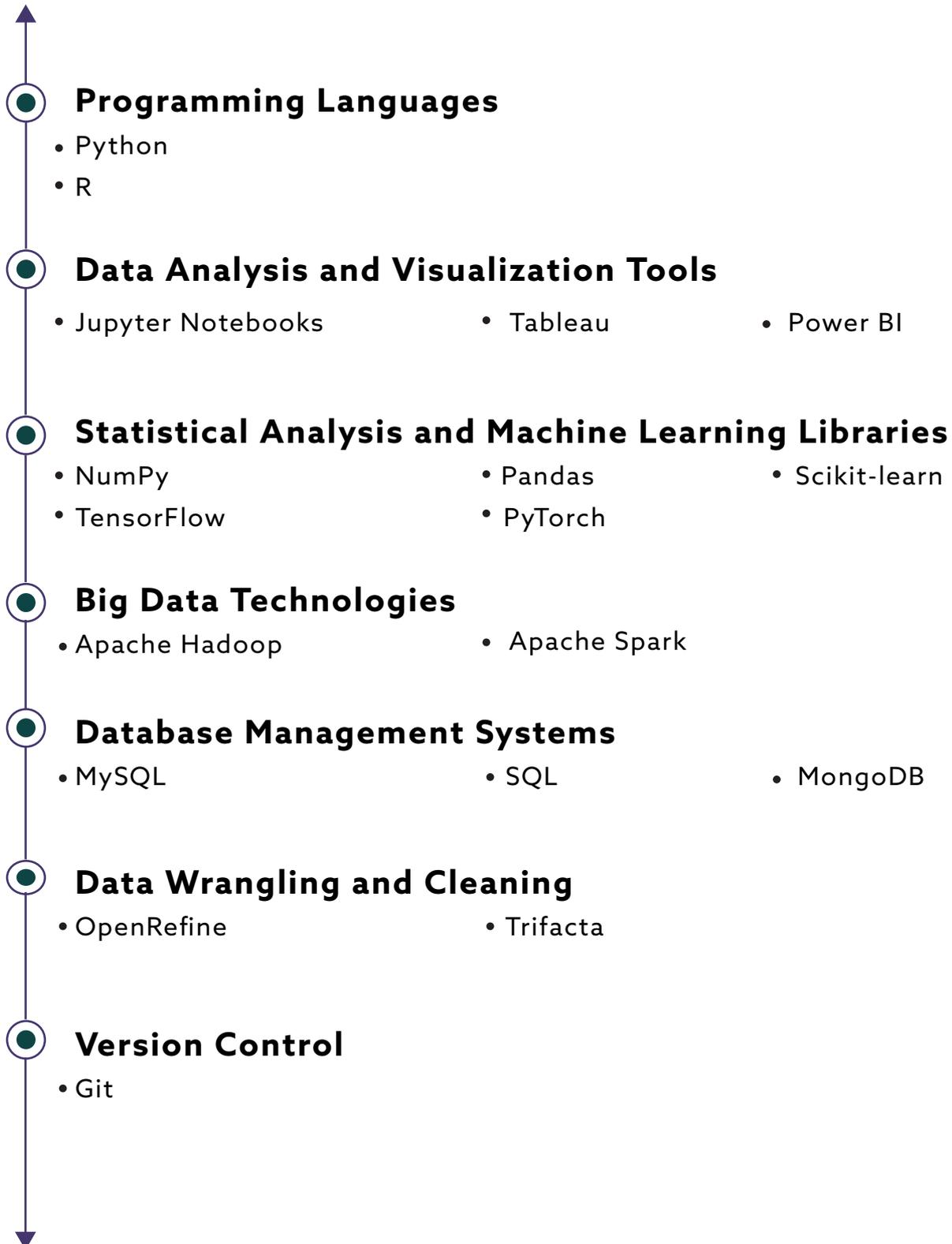
## Progression pathways

| Programme     | Year of Entry | Total Credits Required | Total Credits Earned | Progression Route                      | Awarding body  |
|---------------|---------------|------------------------|----------------------|--|----------------|
| MSc Computing | 2nd Year      | 70                     | 120                  | Postgraduate Diploma in Data Analytics | Euclea, France |

# PROGRAM **TIMELINE**

| Timeline     | Particulars   | Fees Timeline                    |
|--------------|---|----------------------------------|
|              | Application Submission                                |                                  |
|              | Document Verification                                 |                                  |
|              | Eligibility Check                                     |                                  |
|              | Provisional Submission                                | Admission Fee                    |
|              | Application Acceptance                                |                                  |
|              | Admission Acceptance                                  | 1st Installment                  |
| Week 1       | Module 1 Managing Innovation and Change in Computing  | Remaining Fee Pay in Installment |
| Week 5       | Assessment  |                                  |
| Week 6       | Module 2 Systems Development and User Experience (UX) |                                  |
| Week 10      | Assessment  |                                  |
| Week 11      | Module 3 Implementing and Managing Cyber Security     |                                  |
| Week 15      | Assessment  |                                  |
| Week 16      | Module 4 Business Intelligence Systems                |                                  |
| Week 20      | Assessment  |                                  |
| Week 21      | Module 5 Independent Project                          |                                  |
| Week 25      | Assessment  |                                  |
| Week 25 - 29 | Break   |                                  |
| Week 30      | Module 6 Data Analytics and Big Data                  |                                  |
| Week 31      | Assessment  |                                  |
| Week 35      | Module 7 Computer Based Research Methods              |                                  |
| Week 36      | Assessment  |                                  |
| Week 37      | Project Work  |                                  |
| Week 48      | Project Work Submission                               |                                  |
| Week 51      | Project Defense                                       |                                  |

# TOOLS AND TECHNOLOGIES



# FAQ

## 1 Is prior experience in data analytics necessary for enrollment, or is the program suitable for beginners?

No prior experience is required. The program caters to individuals with varying levels of experience, including beginners. Foundational courses are included to accommodate those new to data analytics.

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## 2 Can I complete this data analytics program on a part-time basis, or is it only offered as a full-time commitment?

The program is designed to be flexible, offering both full-time and part-time options to cater to the diverse schedules and commitments of students.

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## 3 How does the program incorporate hands-on experience in data analytics?

Practical experience is integral to the program. Students engage in hands-on projects and a capstone project, applying learned concepts to real-world scenarios, ensuring practical proficiency.

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## 4 Are there specific software or tools covered in the program, and do I need to purchase them separately?

The program covers industry-standard tools like Python, R, and Tableau. In most cases, access to these tools is provided as part of the program, eliminating the need for separate purchases.

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## 5 Does the curriculum include specialized tracks, such as focusing on healthcare data or financial analytics?

Yes, the program offers specialized tracks to cater to various interests. Students can choose tracks such as healthcare analytics or financial analytics based on their career goals.

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## 6 Is there support for networking and collaboration with peers and industry professionals during the program?

Absolutely. Networking opportunities, online forums, and collaboration with industry professionals are encouraged, fostering a supportive learning community.

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## 7 Can graduates of this program pursue further education, such as a master's in data science or related fields?

Yes, the program provides a solid foundation for further education. Graduates can seamlessly transition into advanced degrees if they choose to deepen their knowledge in data science.

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## 8 Are there opportunities for mentorship or guidance from industry experts within the program?

Yes, mentorship programs and interactions with industry experts are often integrated, providing students with valuable insights and guidance.

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## 9 How does the program stay current with the rapidly evolving field of data analytics, and is there ongoing access to updated content after graduation?

The program undergoes regular updates to align with industry trends. Graduates typically have access to alumni resources, including updated content and webinars, to stay current with industry advancements.



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